VDOİHİ

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Bağımlı Durumlu Simetrinin İlk ve Herhangi Bir Durumunun Bulunabileceği Olaylara Göre İlk Düzgün Olmayan Simetrik Olasılık

Cilt 2.3.2.3.3.1.1.4

İsmail YILMAZ

2023

Matematik / İstatistik / Olasılık

ISBN: 978-625-6526-41-9

© 1. e-Basım, Mayıs 2023

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık Cilt 2.3.2.3.3.1.1.4

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 dağıtımı yapılamaz.

KÜTÜPHANE BİLGİLERİ

Yılmaz, İsmail.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık-Cilt 2.3.2.3.3.1.1.4 / *İsmail YILMAZ*

e-Basım, s. XXV + 730

Kaynakça yok, dizin var

ISBN: 978-625-6526-41-9

1. Bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

Dili: Türkçe + Matematik Mantık

Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

M. Atatürk

d

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 deklaritif bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın farklı alanlarda yapmış olduğu çalışmalar arasında ölçme ve değerlendirmeye yönelik çalışmaları da mevcuttur.

VDOİHİ

Veri **D**eğişkenleri **O**lasılık ve **İ**htimal **H**esaplama **İ**statistiği (VDOİHİ) ile olasılık ve ihtimal yasa konumuna getirilmiştir.

VDOİHİ'de Olasılık;

- ✓ Makinaların insan gibi düşünebilmesini, karar verebilmesini ve davranabilmesini 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.

f

İÇİNDEKİLER

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar 1
Simetriden Seçilen İki Duruma Göre İlk Düzgün Olmayan Simetrik Olasılık 3
Dizin 7

GÜLDÜNYA

Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

$\imath$: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

$\boldsymbol{l}$: ilgilenilen bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlarındaki sırası

$_{\boldsymbol{i}}\boldsymbol{l}$: simetrinin ilk bağımlı durumunun, bağımlı olasılık farklı dizilimsiz dağılımın son olayı için sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırası

$\boldsymbol{l_i}$: simetrinin son bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin birinci bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırası

$\boldsymbol{l_s}$: simetrinin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırası

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

$\boldsymbol{l_{sa}}$: simetrinin aranacağı bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin aranacağı bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki 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 $\left(j_{sa}^{i} = s\right)$

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

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

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

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

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

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

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

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

D: bağımlı durum sayısı

D_i: olayın durum sayısı

s: simetrinin bağımlı durum sayısı

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

m: olasılık

M: olasılık dağılım sayısı

U: uyum eşitliği

u: uyum derecesi

s_i: olasılık dağılımı

${}_{fz}S_{j_i}^{\text{İS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}_{fz}S_{j_i,0}^{\text{İS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

${}_{fz}S_{j_i,D}^{\text{İS}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

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

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

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

$_{fz}S^{\dot{I}S}_{j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j_s,j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j_s,j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j_s,j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz,0}S^{\dot{I}S}_{j_s,j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz,0}S^{\dot{I}S}_{j_s,j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz,0}S^{\dot{I}S}_{j_s,j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_i}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_i,0}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_i,D}$: 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

$_{fz}S^{\dot{I}S}_{j_s,j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{j_s,j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir

durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_s,j^{sa}_{,D}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

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

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

$_{fz,0}S^{\text{İS}}_{j_s,j^{sa}_{,D}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j^{sa}_{,0}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j^{sa}_{,D}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_{ik},j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin her durumunun bulunabileceği olaylara göre ilk simetrik olasılık

$_{fz}S^{\text{İS}}_{j_s,j_{ik},j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre ilk simetrik olasılık

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

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

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

durumunun bulunabileceği olaylara göre ilk simetrik olasılık

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

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

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

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

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

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

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

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

$_{fz}{}^{0}S^{İS}_{j_s,j_{ik},j_i}$: 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

$_{fz}{}^{0}S^{İS}_{j_s,j_{ik},j_i,0}$: 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

$_{fz}{}^{0}S^{İS}_{j_s,j_{ik},j_i,D}$: 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

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

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

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

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

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

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

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_{ik},j^{sa},j_i}$: 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 simetrik olasılık

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_{ik},j^{sa},j_i,0}$: 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 simetrik olasılık

$_{fz}{}^{0}S^{\dot{I}S}_{j_s,j_{ik},j^{sa},j_i,D}$: 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 ilk simetrik olasılık

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s,j_{ik},j^{sa}}$: 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

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

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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s,j_{ik},j^{sa}}$: 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

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

p

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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa},D}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,0}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,D}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,0}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,D}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,0}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j_i,D}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, 0}$: 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

$_{fz}{}^{0}S^{\dot{I}S}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i, D}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i, 0}$: 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

$_{fz}S^{\dot{I}S}_{\Rightarrow j_s, \Rightarrow j_{ik}, j^{sa}, j_i, D}$: 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

r

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_{i,0}}$: 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

$_{fz,0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_{i,D}}$: 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

$_{fz}^{0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i}$: 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

$_{fz}^{0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_{i,0}}$: 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 simetrik olasılık

$_{fz}^{0}S^{\dot{I}S}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_{i,D}}$: 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 simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_{i,0}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_{i,D}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}^{0}S^{\dot{I}SS}_{j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}^{0}S^{\dot{I}SS}_{j_{i,0}}$: 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

$_{fz}^{0}S^{\dot{I}SS}_{j_{i,D}}$: 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

$_{fz}S^{\dot{I}SS}_{j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz,0}S^{\dot{I}SS}_{j_s,j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz,0}S^{\dot{I}SS}_{j_s,j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz,0}S^{\dot{I}SS}_{j_s,j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}{}^{0}S^{\dot{I}SS}_{j_s,j_i}$: 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

$_{fz}{}^{0}S^{\dot{I}SS}_{j_s,j_i,0}$: 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

$_{fz}{}^{0}S^{\dot{I}SS}_{j_s,j_i,D}$: 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

$_{fz}S^{\dot{I}SS}_{j_s,j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir

t

durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\text{İSS}}_{j_s,j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

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

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

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

$_{fz}S^{\text{İSS}}_{j_{ik},j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

$_{fz}S^{\text{İSS}}_{j_{ik},j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

$_{fz}S^{\text{İSS}}_{j_{ik},j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı ilk düzgün simetrik olasılık

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

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

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

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

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

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

$_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz,0}S^{\dot{I}SS}_{j_s,j_{ik},j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

$_{fz,0}S^{\dot{I}SS}_{j_s,j_{ik},j_i,0}$: 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

$_{fz,0}S^{\dot{I}SS}_{j_s,j_{ik},j_i,D}$: 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

$_{fz}^{0}S^{\dot{I}SS}_{j_s,j_{ik},j_i}$: 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

$_{fz}^{0}S^{\dot{I}SS}_{j_s,j_{ik},j_i,0}$: 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

$_{fz}^{0}S^{\dot{I}SS}_{j_s,j_{ik},j_i,D}$: 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

$_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre ilk düzgün simetrik olasılık

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

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

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

${}_{fz,0}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_i,0}$: 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

${}_{fz,0}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_{i,D}}$: 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

${}^{0}_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_i}$: 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

${}^{0}_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_{i,0}}$: 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

${}^{0}_{fz}S^{\dot{I}SS}_{j_s,j_{ik},j^{sa},j_{i,D}}$: 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 ilk düzgün simetrik olasılık

${}_{fz}S^{\dot{I}SO}_{j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S^{\dot{I}SO}_{j_{i,0}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S^{\dot{I}SO}_{j_{i,D}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}^{0}_{fz}S^{\dot{I}SO}_{j_i}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{j_{i,0}}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{j_{i,D}}$: 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

${}_{fz}S^{\dot{I}SO}_{j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$_{fz}S_{j^{sa},0}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$_{fz}S_{j^{sa},D}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı ilk düzgün olmayan simetrik olasılık

$_{fz}S_{j_s,j_i}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz}S_{j_s,j_i,0}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz}S_{j_s,j_i,D}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz,0}S_{j_s,j_i}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz,0}S_{j_s,j_i,0}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz,0}S_{j_s,j_i,D}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

$_{fz}^{0}S_{j_s,j_i}^{\dot{I}SO}$: 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

$_{fz}^{0}S_{j_s,j_i,0}^{\dot{I}SO}$: 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

$_{fz}^{0}S_{j_s,j_i,D}^{\dot{I}SO}$: 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

$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

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

$_{fz}S_{j_s,j^{sa},D}^{\dot{I}SO}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu

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

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

$_{fz,0}S^{\text{İSO}}_{j_s,j^{sa},0}$: 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

$_{fz,0}S^{\text{İSO}}_{j_s,j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara

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

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

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

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

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

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

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

$_{fz,0}S^{\text{İSO}}_{j_s,j_{ik},j^{sa},0}$: 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

$_{fz,0}S^{\text{İSO}}_{j_s,j_{ik},j^{sa},D}$: 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

$_{fz}S^{\text{İSO}}_{j_s,j_{ik},j^{sa},j_i}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son

durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

${}_{fz}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i,0}$: 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

${}_{fz}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i,D}$: 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

${}_{fz,0}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i}$: 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

${}_{fz,0}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i,0}$: 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

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

${}^{0}_{fz}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i,0}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{j_s,j_{ik},j^{sa},j_i,D}$: 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 ilk düzgün olmayan simetrik olasılık

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s,j_{ik},j^{sa}}$: 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

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s,j_{ik},j^{sa},0}$: 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

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s,j_{ik},j^{sa},D}$: 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

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s,j_{ik},j^{sa}}$: 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

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},0}$: 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

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},D}$: 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

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i}$: 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

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,0}$: 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

${}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i}$: 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

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,0}$: 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

${}_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,D}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,0}$: 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

${}^{0}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j_i,D}$: 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

$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i}$: 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

$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,0}$: 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

$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,D}$: 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

$_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i}$: 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

$_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,0}$: 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 düzgün olmayan simetrik olasılık

$_{fz,0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,D}$: 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 düzgün olmayan simetrik olasılık

$_{fz}{}^{0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i}$: 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

$_{fz}{}^{0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,0}$: 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

$_{fz}{}^{0}S^{\dot{I}SO}_{\Rightarrow j_s\,,j_{ik},j^{sa},j_i,D}$: 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

$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,\Rightarrow j_{ik},j^{sa},j_i}$: 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

$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\,,\Rightarrow j_{ik},j^{sa},j_i,0}$: 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

$_{fz}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i,D}$: 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

$_{fz,0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i}$: 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

$_{fz,0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i,0}$: 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

$_{fz,0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i,D}$: 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

$_{fz}{}^{0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i}$: 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

$_{fz}{}^{0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i,0}$: 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

$_{fz}{}^{0}S^{\text{İSO}}_{\Rightarrow j_s ,\Rightarrow j_{ik},j^{sa},j_i,D}$: 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

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

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**

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilen dağılımlara ve bağımlı olasılıklı dağılımların kendi olay sayılarından (bağımlı olay sayısı) büyük olanlara (bağımlı olay sayısı) dağılımıyla bağımlı ve bir bağımsız olasılıklı dağılımlar denir. Bağımlı dağılım farklı dizilimsiz dağılımlara uygulandığında, bu dağılımlara bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlar denir. Bağımlı ve bir bağımsız olasılıklı dağılımlar; bağımlı dağılımlara, bağımsız durumlar ilk paydan dağıtılmaya başlanarak tabloları elde edilir. Bu bölümde verilen eşitlikler, bu yöntemle elde edilen kurallı tablolara göre verilmektedir. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralamasıyla elde edilebilen kurallı tablolar kullanılmaktadır. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralama için verilen eşitliklerde kullanılan durum sayılarının düzenlenmesiyle, büyükten-küçüğe sıralama durumlarının eşitlikleri elde edilebilir.

Farklı dizilimsiz dağılımlar, dağılımın ilk durumuyla başlayan (bunun yerine farklı dizilimli dağılımlarda simetrinin ilk durumuyla başlayan dağılımlar), dağılımın ilk durumu haricinde dağılımın herhangi bir durumuyla başlayan dağılımlar (bunun yerine farklı dizilimli dağılımlarda simetride bulunmayan bir durumla başlayan dağılımlar) ve dağılımın ilk durumu simetrik olan dağılımının başladığı farklı ikinci durumla başlayıp simetrinin ilk durumuyla başlayan dağılımların sonuna kadar olan dağılımlarda (bunun yerine farklı dizilimli 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.

GÜDÜMYA

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 incelenmekle birlikte, bu simetrik olasılıkların bağımsız durumla başlayan ve bağımlı durumlarıyla başlayan dağılımlara göre de tanım eşitlikleri verilmektedir.

Farklı dizilimsiz dağılımlarda simetrinin durumlarının olasılık dağılımındaki sıra simetrik olasılıkları etkilediğinden, bu bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımları da etkiler. Bu nedenle bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda, simetrinin durumlarının bulunabileceği olaylara göre simetrik olasılık eşitlikleri, simetrinin durumlarının olasılık dağılımındaki sıralamalarına göre ayrı ayrı verilecektir. Bu eşitliklerin elde edilmesinde bağımlı olasılıklı farklı dizilimsiz dağılımlarda simetrinin durumların bulunabileceği olaylara göre çıkarılan eşitlikler kullanılmaktır. Bu eşitlikler, bir bağımlı ve bir bağımsız olasılıklı dağılımlar için VDO Cilt 1'de çıkarılan eşitliklerle birleştirilerek, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlar için yeni eşitlikleri elde edilecektir. Eşitlikleri adlandırılmasında bağımlı olasılıklı farklı dizilimsiz dağılımlarda kullanılan adlandırmalar kullanılacaktır. Bu adların başına simetrinin bağımlı ve bağımsız durumlarına göre ve dağılımın bağımsız veya bağımlı durumla başlamasına göre "Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı/bağımsız-bağımlı/bağımlı-bir bağımsız/bağımlı-bağımsız/bağımsız-bağımsız durumlu /bağımsız/bağımlı" kelimeleri getirilerek, simetrinin bağımlı durumlarının bulunabileceği olaylara göre bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz adları elde edilecektir. Simetriden seçilen durumların bulunabileceği olaylara göre simetrik, düzgün simetrik veya düzgün olmayan simetrik olasılık için birden fazla eşitlik kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetrinin durumlarının bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırasına göre verilen eşitliklerdeki toplam alma sınır değerleri, simetrinin küçükten-büyüğe sıralanan dağılımlarına göre verildiğinden 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 düzenlenerek büyükten küçüğe sıralanan dağılımlar için de simetrik olasılık eşitlikleri elde edilir.

Bu bölümde bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılığın eşitlikleri verilmektedir.

GÜDÜNYA

SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE İLK DÜZDÜN OLMAYAN SİMETRİK OLASILIK

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

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

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

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

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

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

$$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(}^{} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

GÜLDÜNYA

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

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

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

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

$$\frac{(\quad)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + 1)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

GÜLDÜNYA

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - \quad + 1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa} = \quad}^{j_{sa}-1} \right.
$$

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

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

$$
\frac{n_{is} - n_{s} \quad - 1)!}{(j^{sa} - j_s - 1) \quad (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

$$\frac{(n_{is}-1)!}{(j^{sa}-j_s-)!\cdot(n_{is}+s-n_{sa}-j^{sa})!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

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

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

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

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

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{s=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

GÜLDÜNYA

$D > \boldsymbol{n} < n$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-\quad-2)!}\cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_{\quad}+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

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

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

GÜLDÜNYA

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

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

$$\sum_{k=1}^{}\ \sum_{(}^{(\boldsymbol{n}-s+}\ \sum_{}^{\boldsymbol{n}+j_{sa}-}$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

GÜLDÜNYA

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

$(D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 0 \wedge$

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

$s \in \{j_{sa}^{s}, j_{sa}+1, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum^{(\ )}_{(j_s=j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

GÜLDÜNYA

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

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

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

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

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

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

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

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

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

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

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

GÜLDÜNYA

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

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

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

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{j_s - s}
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

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

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

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

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

$\boldsymbol{s}\colon\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}\sum_{=1}^{(\ \ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{}$$

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

GÜLDÜNYA

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

$$\frac{\left(n_{ik}+j^{ik}_{sa}-s-\mathbb{k}-j^s_{sa}\right)}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^s_{sa}\right)\ (\boldsymbol{n}+j_{sa}-\ \ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ \ )!\cdot(j_s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

$(D \geq \ \ < n \wedge I=\ \ =0 \wedge$

$j_s \leq j^i_{sa}-1\ \ _{sa} \leq j_{sa}\ \ 1 \wedge$

$\boldsymbol{s}: \{\ \ , j_{sa}, \cdots, j^i_{sa}\}$

$\geq 3 \wedge\ \ =s) \Rightarrow$

$$_{fz}S^{\text{İSO}}_{j_s,j^{sa}}=\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{n} \sum_{n_i=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{n_{is}+j_s-j^{sa}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

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

GULDUNYA

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

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

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

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_i-j_s+1)}$$

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

$$\frac{(n_{ik}+j_{sa}-s-$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j$ $- j_{sa}+1$

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

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

$\geq \boldsymbol{n}$ $n \wedge I=\mathbb{k}=0 \wedge$

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

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

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

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

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot
$$

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

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

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

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

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

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

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

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

GÜLDÜNYA

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

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

$$
\sum_{}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s}^{(} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{}
$$

$$
\frac{(n_i}{(j_s - \cdot (n_i - n_{is}} \cdot
$$

$$
\frac{n_{is} - n_{sa}}{(j^{sa} - j_s - 1)} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}$

$s \geq 3 \wedge \boldsymbol{s}= \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$D > \boldsymbol{n} < n \wedge \ \ > D - \ \ + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} \ \ 1 \wedge$

$j_s + j_{sa} \ \ 1 \le j^{sa} \le \boldsymbol{n} \ \ j_{sa} - s \wedge$

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

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

$j_{sa} \le j^{i}_{sa} - \ \ \wedge j^{s}_{sa} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

GÜLDÜNYA

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

GÜLDÜNYA

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ \ )!\cdot(j_s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

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

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

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

$j_s \leq j_{sa}^{i}-1\ \ _{sa} \leq j_{sa}\ \ 1 \wedge$

$\boldsymbol{s}: \{\ \ , j_{sa}, \cdots, j_{sa}^{i}\}$

$\geq 3 \wedge\ \ = s) \Rightarrow$

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

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

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

GULDUNYA

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

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

$$-\sum_{k=1}^{(\ \ )}\ \sum_{(j_s-$$

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

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

$$\frac{\left(n_{ik}-$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$D \geq \boldsymbol{n} < n \wedge$ D $\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq$ $-j_{sa}+1 \wedge$

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

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

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

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

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s-2)!} \cdot
$$

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

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

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

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

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

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

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

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

$$\sum_{n_i=\boldsymbol{n}}^{n}\qquad\qquad =\boldsymbol{n}+$$

$$\sum_{n_{ik}}\qquad\qquad\sum_{n_{sa}=}$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

$2\leq j_s\leq j^{sa}-j_{sa}+$

$j_s+j_{sa}-1\leq$

$\boldsymbol{l_{ik}}$

$(D\geq\boldsymbol{n}<$

$2\leq j_s\leq j^{sa}-$

$j_s+j_{sa}-$

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

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

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

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

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

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

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

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

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

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s-\ \mathbb{k}-j^s_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j^s_{sa}\right)! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

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

GÜLDÜNYA

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$f_Z^{isO}{}_{;sa} = \sum_{k=1}^{} \sum_{(j_s - \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_{sa}} + \quad D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

GÜLDÜNYA

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

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

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

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} - n_{sa} - j^{sa})!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - j_s - j_{sa} + 1)!}{(\boldsymbol{l_s} + \boldsymbol{l_{sa}} - j^{sa} - j_{sa})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

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

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

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

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

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

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

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{s},j^{sa}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{= \boldsymbol{n} +}^{(\ \ j_s + 1)}$$

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

GULDUNYA

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

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{}^{\boldsymbol{n}+} \sum_{}^{+\boldsymbol{n}+j_{sa}-D-s}
$$

$$
\sum_{}^{n} \sum_{=\boldsymbol{n}-j_s+}^{(} \sum_{sa}^{n_{is}+j_s-} \sum_{=\boldsymbol{n}-j^{sa}+1}^{sa}
$$

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

$$
\frac{s - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

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

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

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$$\big((D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$$

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

$$\big(D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$$

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

GULDUNYA

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \mathbb{k} - 1 \wedge$

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

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = \Rightarrow$

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

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

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

GÜLDÜNYA

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \quad j_{sa} + 1)!}$$

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

$$\sum_{k=1}^{(\ \ )} \sum_{\quad -j_{sa} \quad -l_i}^{\boldsymbol{n}+j_{sa}-s} \sum_{\quad j_{sa}-D-s}^{(n_i \quad j_s+1)} \sum_{n_i=\boldsymbol{n}+}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}$$

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

$$\frac{\left(n_{ik} - \quad_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + \quad^{ik} - \boldsymbol{n} \quad_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

$\big((D \geq \boldsymbol{n} < n \quad > \quad - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq \quad - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

GÜLDÜNYA

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

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

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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

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

$(D \geq \boldsymbol{n} < n \wedge I^{ik} = 0 \wedge$

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge s = s) \Rightarrow$

$$fzS_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{n} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\quad)!\cdot(\quad-2)!}\cdot$$

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

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

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

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

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

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

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

$\boldsymbol{s}:\{j_{sa}^{s}\ j_{sa},\cdots,j_{sa}^{i}$

$s\ 3\wedge\boldsymbol{s}=\quad\Rightarrow$

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

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$D\ \boldsymbol{n}<n\wedge\ >1\wedge\boldsymbol{l_s}\leq D+j_{sa}-\boldsymbol{n}\wedge$

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

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

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

$(\ \boldsymbol{n}\ \wedge I=\mathbb{k}=0\wedge$

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

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \right.
$$

GÜLDÜNYA

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

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

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

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

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}<D+\boldsymbol{l_{ik}}$ $-\boldsymbol{n}-j_{sa}^{ik}\wedge$

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

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

$\boldsymbol{s}:\{$ $,\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}$ $)\Rightarrow$

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

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

GÜLDÜMYA

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s + 1)!} \cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

GÜLDÜNYA

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{\imath}SO}_{j_s, j^{sa}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{} \sum_{j^{sa} = \boldsymbol{n} - D}^{s + j_{sa} - 1} \right.
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

$$\sum_{}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{j^{sa}}$$

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

$$\frac{(n_{is}-n_{is}-1)!}{(j^{sa}-j_s-\quad)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

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

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

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

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

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

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

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

$\boldsymbol{s}: \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$S_{j_s,j^{sa}}^{\text{iso}} = \left(\sum_{i=1}^{\binom{\ }{\ }} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{n} \sum_{n_i=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{n_{is}+j_s-j^{sa}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}\right.$$

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

GÜLDÜNYA

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

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

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

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

$\boldsymbol{s}: \{j_{sa}, j_{sa} + 1, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \neq 0) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{} \sum_{j^{sa} = j_s + j_{sa} - 1}^{}\right.$$

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

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

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

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

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

$$\frac{(n_{is} - n_{sa} - 1)!}{a} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

GÜLDÜNYA

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

$\big((D \geq \boldsymbol{n} < \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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

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

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

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

GÜLDÜNYA

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

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

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

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

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

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

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

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

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

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

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

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

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

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

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa} \wedge$

$s \geq \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}
$$

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=2)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=\boldsymbol{l_s}}^{}$$

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

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

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

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

GÜLDÜNYA

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

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GÜLDÜNYA

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

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

$$
\frac{(n_i}{(j_s - \cdot (n_i - n_{is}} \cdot
$$

$$
\frac{n_{is} - n_s}{(j^{sa} - j_s - 1)} \cdot
$$

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

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

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

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

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

GÜLDÜNYA

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

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

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

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

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

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

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

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

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

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\vee$

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

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

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

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

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

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

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

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

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

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\big)\wedge$

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

GÜLDÜNYA

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} +}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \quad j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

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

$$
\frac{\quad - 1)!}{(j \quad - j_s - 1)! \cdot (n_{is} + j_s \quad - j^{sa})!} \cdot
$$

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

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

$$
\left. \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

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

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

$$\frac{-1)!}{(j^{}-j_s-1)!\cdot(n_{is}+j_s-}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\quad-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

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

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

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

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

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

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

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

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

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

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

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

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

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

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

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

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

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

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

$\boldsymbol{l}$ $- j_{sa}^{ik} +$ $\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}$ $j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

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

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

$1 \leq j_s \leq j^{s}$ $j_{sa}+1$

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

$\boldsymbol{l_{sa}} - j_{sa} +$ $> \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}}$ $+ j_{sa} - \boldsymbol{n})\big) \wedge$

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GULDUNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

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

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

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

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

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \right.
$$

GÜLDÜNYA

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

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

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i-j_s+1}$$

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

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

$$\frac{(\boldsymbol{l_s}-)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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

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

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

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

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

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

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

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

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

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

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

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

GÜLDÜNYA

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

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

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

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

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

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

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

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

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

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$f_{Z}^{iSO}{}_{j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s}^{(} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

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

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

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

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

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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

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

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

GÜLDÜNYA

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+\ \ -j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-\ \ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ \ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ \ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ \ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\ \ -1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge\ \ > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq\ \ \leq j^{sa}-j_{sa}+1 \wedge$

$\ \ +j_{sa}\ \ \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\ \ \leq \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} <\ \ \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$f_{\boldsymbol{z}}^{\text{İSO}}{}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{n_i=\boldsymbol{l_{sa}}+\boldsymbol{n}} \sum_{(j_{sa}+1)\ j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{j_{sa}-s}$$

$$\sum_{n_{sa}=}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j \ = \boldsymbol{l_{ik}} \wedge \boldsymbol{l}_{\ } - j_{sa} - s > \ \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa} < j_{sa} - 1 \wedge$

$\boldsymbol{s} \in \{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{\boldsymbol{l_{sa}}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)\ j}^{\boldsymbol{l_{sa}}}\sum_{=j_{sa}+1}$$

$$\prod_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}$$

$$\sum_{n_{is}+j^s_{sa}-j}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j^{ik}_{sa}-s-\ -j^s_{sa})!}{(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^s_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge\ >1\wedge\ \leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}\ 1\wedge$

$j_s+j_{sa}\ 1\leq j^{sa}\leq \boldsymbol{n}\ j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1\ \boldsymbol{l_s}\wedge\boldsymbol{l}\ -j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D\ \ \leq \boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<\ \wedge I=\mathbb{k}=0\wedge$

$j_{sa}=j_{sa}-1\wedge j^s_{sa}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j^s_{sa},,j_{sa},\cdots,j^i_{sa}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{\imath}SO}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=j_{sa}+1}^{} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s - 2)!} \cdot
$$

$$
\frac{(D - j_{sa} - \boldsymbol{l_s} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{}
$$

$$
\frac{\left(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(\quad - n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{i} - n_{sa} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=j_{sa}+1}^{n}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜMYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S^{\prime}_{j_s,} = \sum_{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)\cdot}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\left(\boldsymbol{n}+j_{sa}-j\right.-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_{s}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ =\boldsymbol{l_{ik}} \wedge \boldsymbol{l}\ j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(\ \geq \boldsymbol{n} < n \wedge\ =\mathbb{k}=$

$j_{sa}\ j_{sa}^{i}-1 \wedge j_{sa}^{s}\ j_{sa}-1 \wedge$

$\{j_{sa}^{s},,j\ \cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \quad - s)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_{sa}} - \quad + 1)} \sum_{(\quad - 2)} \sum_{j^{sa} = j_s + j_{sa} \quad}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_i - j_s + 1)} \sum_{\quad - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s^{ik}} \sum_{(\quad)} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}$$

$$\frac{(\quad + j_{sa} \quad s - \quad - j_{sa}^{s})!}{(n_{ik} \quad j^{sa} + j_{sa}^{ik} - \boldsymbol{n} \quad j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j \quad - j_{sa} + 1 \wedge$

$j_s + \quad - 1 \leq j \quad \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$< D \quad - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s-2)! \cdot (n_i - n_{is} \quad j_s+1)!}
$$

$$
\frac{(n_{is} \quad n_{sa}-1)}{(j^{sa}-j_s-1)! \cdot (\quad + j_s - n_{sa} - \quad a)!} \cdot
$$

$$
\frac{(n_{sa} - \quad)!}{(n_{sa} \quad j^{sa} \quad 1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}}) \quad (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{l \cdot + \cdots_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{\cdots} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}}$$

$$\sum_{k=1}^{} \sum_{j^{sa}-j_{sa}+1}^{} \sum_{=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + \ldots - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \ldots \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \ldots - j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{s}}^{\boldsymbol{l_{ik}}+j_{sa}-j_{s}+\boldsymbol{n}-D}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_{sa} - \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(}\ \sum_{(j_s=j^{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}^{(\ )}$$

$$\frac{(\quad+j_{sa}\quad-\quad-j_{sa}^{s})!}{(n_{ik}\quad j^{sa}+j_{sa}^{ik}-\boldsymbol{n}\quad j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\quad j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j \quad - j_{sa}+1$

$j_s + \quad - 1 \leq j^{\quad} \quad \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\quad \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{sa} -)!}{(j^{sa} - j_s - 1)! \cdot (+ j_s - n_{sa} -)!} \cdot
$$

$$
\frac{(n_{sa} -)!}{(n_{sa} + j^{sa} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(- j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - - j_{sa} + 1)!}{(j_s + - j^{sa} - \boldsymbol{l} \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(sa} - \boldsymbol{l_{sa}} - s)!}{(D + {}^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n}\sum_{}^{(}\sum_{}^{j_s+1)}$$

$$\sum_{n_{ik}=}\sum_{}^{(\ )}\sum_{}^{(n_{sa}=}\sum_{}^{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{s}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ -j_{sa}^{s})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ \ \boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \ + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + \ \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \ \leq \boldsymbol{l_{ik}} \leq D - \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \ < n \wedge \ \ \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \ \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\{j^{s} \ \ \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)\cdot}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-j\ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}_{-}-j_{\ }!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ -s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ = \boldsymbol{l_{ik}} \wedge \boldsymbol{l}\ j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \ D+\boldsymbol{l_s}+j_{sa}^{ik}-\ -1$

$(\ \geq \boldsymbol{n} < n \wedge\ = \mathbb{k} =$

$j_{sa}\ j_{sa}^{i}-1 \wedge j_{sa}^{s}\ j_{sa}-1 \wedge$

$\{j_{sa}^{s},,j\ \cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{n} \sum_{n_i=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{n_{is}+j_s-j^{sa}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I_{=}=0\wedge$

$j_{sa}\leq j_{s}-1\wedge j_{sa}^{s}\leq j_{s}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\ldots,j_{sa}^{i}\}\wedge$

$s>s\wedge\ldots=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)} \sum_{j_{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}$$

$$\sum^{n} \sum_{(n_{is}=\boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa}=\boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}^{s})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\ \wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ >\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge\ =\mathbb{k}+\ \wedge$

$j_{sa}^{s}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{s}\ ,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$$fzS_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} - 1)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \quad)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(j_s=2)}^{(\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(\quad_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

GÜLDÜNYA

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})) \wedge$$

$$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$$

$$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$$

$$f_{2}^{\text{İSO}}{}_{j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(n_{sa} - \boldsymbol{l_s} - j_{sa} + 1)!}{(n_{sa} + \boldsymbol{l_{sa}} - j^{sa} - 1)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{l_{sa}} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \quad + j_{sa} - s = \quad \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l} \quad j_{sa} - \boldsymbol{n} \quad 1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j \quad \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \quad j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) =$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\ \sum_{(j_s=2)}^{\boldsymbol{n}_{sa}-s}\ \sum_{j^{sa}=\boldsymbol{l_s}}$$

$$\sum_{n_i=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\ -$$

$$\sum_{k=1}^{(\ \ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\ +j_{sa}-\ ^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-1<\boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\right)(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\frac{(\boldsymbol{l_s}-\ )!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ >\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}<D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \ <n\wedge \boldsymbol{l_s}>1\wedge \ \leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ >\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s}^{(n_i-j_s} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j_s - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}$$

$$\frac{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\,(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(\boldsymbol{l_i}+\boldsymbol{n}-$$

$$\sum_{(n_i-j_s+1)}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+$$

$$\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}-$$

$$\frac{(n_{ik}-j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+j^{sa}+$$

$$\frac{(n_{ik}-j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+j^{sa}+\boldsymbol{n}-$$

$$\frac{(n_{ik}-j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+j^{sa}+\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\big((D\geq\boldsymbol{n}<n\wedge$$

$$\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-$$

$$\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,\ldots} = \sum_{\ldots}^{(\ldots+\boldsymbol{n}-D-j_{sa})} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l_s} - j_{sa} + 1)!}{(\boldsymbol{l_s} + \boldsymbol{l_{sa}} - j^{sa} - 1)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\boldsymbol{n} + j^{sa} - \boldsymbol{l_{sa}} - 1)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$= \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{\cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \right) \cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D +$ $+ j_{sa}^{ik} - \boldsymbol{n} -$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s}$ $j_{sa} - 1 \wedge$

$\boldsymbol{s} \in \{j_{sa}^{s}, , j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq \mathbb{k} \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \Bigg(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_s}^{(n_i-j^{sa}+}$$

$$\frac{(n_i-n_{sa}-1)}{(j^{sa}-2)!\cdot(n_i}\cdot$$

$$\frac{(\ -1)!}{(n_{}+j^{sa}-\boldsymbol{n}}\cdot$$

$$\frac{\ \ )!}{(\ -j^{sa})!}\cdot$$

$$\frac{(D+\ -\boldsymbol{l_{sa}}}{(D\ \ ^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\ \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j\ \ +j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$\big((\ \ \geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j\ \ -j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \quad j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) =$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{\imath}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GULDUNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_s}^{(n_i-j^{sa}+}$$

$$\frac{(n_i-n_{sa}-1)}{(j^{sa}-2)!\cdot(n_i}\cdot$$

$$\frac{(\ -1)!}{(n_{}+j^{sa}-\boldsymbol{n}}\cdot$$

$$\frac{(\ \ \ )!}{(\ -j^{sa})!}\cdot$$

$$\frac{(D+\ -\boldsymbol{l_{sa}}}{(D\ \ -\boldsymbol{n}-\boldsymbol{l_{sa}}}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\ \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j\ \ +j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$\left((\ \geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$$

$$1\leq j_s\leq j^{}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\left.D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\right)\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l}$ $j_{sa} - \boldsymbol{n}$ $1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j$ $\le j_{sa} - 1 \wedge$

$\boldsymbol{s}$: $\{j_{sa}^{s}$, , j_{sa}, $j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) =$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İso}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

GULDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s}^{(n_i-j^{sa}+}$$

$$\frac{(n_i-n_{sa}-1)}{(j^{sa}-2)!\cdot(n_i}\cdot$$

$$\frac{(\ -1)!}{(n_{\ }+j^{sa}-\boldsymbol{n}}\cdot$$

$$\frac{(\ \ \ )!}{(\ -j^{sa})!}\cdot$$

$$\frac{(D+\ -\boldsymbol{l_{sa}}\ s)!}{(D\ j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j\ +j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\ \boldsymbol{n}\ \ \wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$1\le j_s\le j^{s}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\le D+s-\boldsymbol{n}\wedge$

$(D\ge \boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

GÜLDÜNYA

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{iso} = \sum_{k=1}^{n} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{(n_{sa}=\boldsymbol{n}_{sa}+1)}^{n} \sum_{(\ \ -j^{sa}+1)} $$

$$ \frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_{ik} - n_{sa} - j^{sa} + \ \ )!} \cdot $$

$$ \frac{(\ \ - \ \ )!}{(n_{sa} + \ \ _{sa} - \boldsymbol{n} - \ \ - j^{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \ \ _{sa} - \boldsymbol{n} - \ \ _{sa})! \cdot (\boldsymbol{n} - s)!} - $$

$$ \sum_{k=1}^{n} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} $$

$$ \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} + \ \ _{sa} - j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$D \geq \ \ < n \wedge \boldsymbol{l_s} \ \ \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j \ \ - j_{sa} + 1 \wedge$

$\ \ \ \ \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{}^{n} \sum_{(n_{sa}=}^{(\ -j^{sa}+1)} \sum_{}^{-j_{sa}+1)}$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_{} - n_{sa} - j^{sa} +)!} \cdot$$

$$\frac{(\ - \ }{(n_{sa} + {}^{sa} - \boldsymbol{n} - \ - j^{sa})!} \cdot$$

$$\frac{(D + j_{} - \boldsymbol{l_{sa}} - s)!}{(D - {}_{} - \boldsymbol{n} - {}_{\boldsymbol{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{}^{n} \sum_{\boldsymbol{n}+\mathbb{k}}^{(\ )} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + {}_{sa} - {}_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \ge \ < n \wedge \boldsymbol{l_s} \ - \ \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_{} - j_{sa} + 1 \wedge$

$j_{} - j_{} + 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GÜLDÜNYA

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{}^{n} \sum_{}^{(\ \ j^{sa}+1)} $$

$$ \sum_{(n_{sa}=\boldsymbol{n}}^{j^{sa}+1)} $$

$$ \frac{(n_{i} \quad n_{sa}-1)!}{(j^{sa}-2)! \cdot (n_{i} \quad n_{sa}-j^{sa}+ \quad)!} \cdot $$

$$ \frac{-1_{}}{(n_{sa}+ \quad {}^{a}-\boldsymbol{n}- \quad -j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}- \quad)! \cdot (j^{sa}-j_{sa})!} \cdot $$

$$ \frac{(D+j_{sa} \quad \boldsymbol{l_{sa}}-s)!}{ \quad +j^{sa} \quad \boldsymbol{n}-\boldsymbol{l_{s}} \quad \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\ )} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} $$

$$ \frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(\quad _{k}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!} $$

$((D \geq \boldsymbol{n} \quad n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$\text{İSO}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}}^{(n_i-j^{sa}+1)} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq$ $\boldsymbol{n}$ $\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} -$

$\boldsymbol{l_{ik}} -$ $+ 1 > \boldsymbol{l_s} \wedge$ $+ j_{sa}^{ik} - j_{sa} =$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik}$ $\wedge \boldsymbol{l_i} \leq$ $+ s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} =$ $\boldsymbol{l_s} \leq D -$ $\boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq$ $- j_{sa} + 1 \wedge$

$j_s +$ $- 1 \leq$ $+ j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\leq D$ $_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

GÜLDÜNYA

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} -$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{n}-)!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - \ \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \ 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \ + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \ \wedge \boldsymbol{l_{sa}} + \ - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + \ - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq \ + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \ < \boldsymbol{l_i} \leq D + \ + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \ < n \wedge \ \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \ - j_{sa} + 1 \wedge$

$\ + j_{sa} \ \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}-D}^{(\ )} \boldsymbol{n}_{sa}-s
$$

$$
\sum_{n_i} \sum_{j^{sa}+1)}^{(n_i - j^{sa}+1)}
$$

$$
\frac{(n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} \quad)}^{j_{sa}} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\quad} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(j^{sa} - j_{sa})} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\quad} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 1)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa})!}\Big) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{\boldsymbol{l_i} + j_{sa} - D - s}^{(n_i - j_s + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} - j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s}^{n_{is}+j_s-j^{sa}} \sum_{\boldsymbol{n}-j^{sa}+1}^{}
$$

$$
\frac{(n_{\cdot} - n_{i\cdot} - 1)}{(j_s-2)! \cdot (n_i - n_{\cdot} + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{\cdot} - 1)!}{(j^{sa} - j_{\cdot})! \cdot (n_{is} + j_{\cdot} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - \cdot)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} \cdot \boldsymbol{l_{sa}} - s)!}{(D \cdot {}^{sa} - \boldsymbol{n} \cdot {}_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=j_{sa}+1}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - 1)!}{(j_s - 1)! \cdot (n_{is} + j_s - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$f^{z\supset}{}_{j_s,j} = \left(\sum_{k=1}^{(\quad)} \sum_{(\quad+j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D-j^{sa}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=} \sum_{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

$$\frac{}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\,(\boldsymbol{n}+j_{sa}-$$

$$+\sum_{k=1}^{}\sum_{(}^{(\boldsymbol{n}-s+}\sum_{}^{\boldsymbol{n}+j_{sa}-}$$

$$\sum_{(\boldsymbol{l_{ik}}+\boldsymbol{n}}\sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{(}^{}\sum_{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{=\boldsymbol{n}+\mathbb{k}-j_s-1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_{}-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ldots-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}\ldots=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \ldots D-\boldsymbol{n}+1 \wedge$

$2 \ldots j_s \leq j^{sa}\ldots+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa}\ldots\boldsymbol{n}+j_{sa}\ldots s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}\ldots1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\ldots j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \ldots \mathbb{k} \ldots 0 \wedge$

$j_{sa} \leq j_{sa}^{i}\ldots1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\ldots:\{j_{sa}^{s}, \mathbb{k}\ldots, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ \boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}<\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big)\wedge$

$(D\geq\boldsymbol{n}\ \ \wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l_s}-j_s+1)!}{(\boldsymbol{l_s}+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$\underset{j_s, j^{sa}}{\overset{iSO}{}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{}^{(\ )}\sum_{j_{sa}^{ik}(n_{sa}=}^{}{}_{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{}-s-\ j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ -j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ \boldsymbol{l_i})!}{(D+j^{sa}-\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \geq D-\boldsymbol{n}+1 \wedge$

$2 \leq j_{} \leq j^{sa}-j_{sa}+ \wedge$

$j_s + j_{sa}-1 \leq \ ^{a} \leq \boldsymbol{n}+ \ -s \wedge$

$\boldsymbol{l_{ik}}\ ^{ik}_{a}+1=\boldsymbol{l_s} \wedge \ +j_{sa}^{ik}\ _{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n}\ \wedge I=\mathbb{k} \geq \ \wedge$

$j_{sa} \leq j_{} -1 \wedge \ _{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{} \cdots, j_{sa}^{i}\} \wedge$

$\geq 3 \wedge \ s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad)}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_{sa}}-\quad)!}{(\quad-j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{\quad} \sum_{(j_s=\quad-j_{sa}+1)}^{(\quad)} \sum_{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+\quad-j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}-\mathbb{k}}^{n_{is}+\cdots-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - \cdots - 1)!}{(n_i - \cdots - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \cdots n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (\cdots + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_s - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \cdots - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$fz^{iSO}{}_{j_{sa}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}}^{(\boldsymbol{n}-s} \sum_{-D-j_{sa}^{ik}+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_{\boldsymbol{s}}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{\ }=\boldsymbol{l_{ik}} \wedge \boldsymbol{l}_{\ }-j_{sa}-s>\ \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{s}\ \wedge$

$s\ \ 3 \wedge \boldsymbol{s}=\ \ \mathbb{k} \wedge$

$\mathbb{k}_z:\ =1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GULDUNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+}$$

$$\sum_{n_{}=n_{is}+j^{s}_{sa}-}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{+j^{ik}_{sa}-s-j^{s}_{sa})!}{(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \quad > D - \quad + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j_s + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 \quad \boldsymbol{l_s} \wedge \boldsymbol{l} \quad - j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \quad \boldsymbol{n} \quad n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - \quad \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$D > \boldsymbol{n} < n$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(\quad-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\quad-\boldsymbol{l_s}-j_{sa}+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{l}\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s-\mathbb{k}-j^{s}_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{n} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{n} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\boldsymbol{l_i}+\boldsymbol{n}-(n-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + j_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} - \mathbb{k} + 1}^{n_{is} + \mathbb{k} - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - \quad - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \quad n_{sa} - 1)!}{(j^{sa} - j_s \quad 1)! \cdot (n \quad + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j \quad - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j \quad \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \ \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \ \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz^{\supset} j_s \ldots = \sum_{k=1}^{\ldots} \sum_{(j_s \ldots + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-\mathbb{k})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-1)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge\right.$$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j_{z\,i_{sa}}^{iSO} = \sum_{k=1}^{\left(j^{sa} - j_{sa}+1\right)} \sum_{\left(j_s - \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1\right)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ -s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ >\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+\ j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq\ < n \wedge \boldsymbol{l_s} >\ -\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}\ +1 \wedge$

$j_s\ -1 \leq j^{sa}\ \boldsymbol{n}+j_{sa}\ \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}\ 1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\ j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq\ < n \wedge\ \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}\ \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\{j_{sa}^{s}, \mathbb{k}\ a, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z : z=1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}}-D)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\right)\quad(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\frac{(\boldsymbol{l_s}\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\quad\boldsymbol{l_i})!}{(D+j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}\quad1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{\quad}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad D-\boldsymbol{n}\quad\wedge$

$2\leq j_s\quad j^{sa}-j_{sa}+1$

$j_s+j_{sa}-1\quad j^{sa}\leq\boldsymbol{n}\quad j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}\quad j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<\quad\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\quad\quad j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq0\wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{iSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} - j_{sa} - D - s}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + \cdots - j^{sa} - \mathbb{k}} \sum_{n_{sa} = \boldsymbol{n} \cdots + 1}
$$

$$
\frac{(n_i - \cdots - 1)!}{(n_i - \cdots - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \cdots n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (\cdots + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_{sa} - \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\ )} \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \quad \geq 0 \wedge$

$j_s \leq j_{sa}^{i}-1 \quad _{sa}^{is}=j_{sa} \quad 1 \wedge$

$\boldsymbol{s}: \{ \quad , \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \quad$

$\quad \geq 3 \wedge \quad = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\ +j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge\right.$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\quad - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\quad - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge\right.$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ =\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+\ \ -s=\ \ )\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j}^{\mathbb{k}} = \sum_{z=1}^{\mathbb{k}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-j_s+1)!}{(\boldsymbol{l_{sa}}-j^{sa}+1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(} \sum_{(j_s=)}^{} \sum_{}^{\boldsymbol{l_{ik}} + j_{sa} - j_{}} \right.
$$

$$
\sum_{(}^{(} \sum_{}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(}^{=\boldsymbol{n} + \mathbb{k} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(^{a} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(}\sum_{j_s=2}^{(l_{ik}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_{sa}+1}^{l_{sa}}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=j_{sa}+1}^{n}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\left.\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot\right.$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{}^{n_{is}-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{2)!\cdot(n_i-n_{is}-j_s+1)!}$$

$$\frac{(-n_{sa}-2)!}{(j^{sa}-1)!\cdot n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s}^{j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{\mathbb{k}}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{\mathbb{k}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - } \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - \mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + \boldsymbol{l_i})!}{(D + j^{sa} + \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \geq j^{sa} - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} < \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 < \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} - j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} < D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0) \wedge$

$j_{sa} \leq j_{sa}^{i} - j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \geq \mathbb{k} + \mathbb{k} \wedge$

$\mathbb{k}_z \geq 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{\ } \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + 1)!}{(\quad + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} \quad _{\boldsymbol{sa}} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{(\quad + \boldsymbol{n} - D - s + 1)}^{(\quad - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(\quad_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{sa}+1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(n_{is} + j_s - j^{sa} - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\boldsymbol{l_s})}\ \sum_{(n_{is}=2}^{\boldsymbol{n}+j_{sa}-}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{}\ \sum_{(=\boldsymbol{n}+\mathbb{k}-j_s}^{(j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} \leq \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa} \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+$

$\mathbb{k}: z = 1) =$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\left.\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot\right)$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{}$$

$$\sum_{n_{ik}+j_{sa}^{s}-j_{sa}}^{}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{}$$

$$\frac{(\quad+j_{sa}^{ik}-s-\quad-j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-\quad_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$(\quad\geq\boldsymbol{n}<\quad\boldsymbol{l_s}>1\wedge\quad\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq\quad\leq j^{sa}-j_{sa}\quad1\wedge$$

$$\quad+j_{sa}\quad1\leq j^{sa}\leq\boldsymbol{n}\quad j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\quad\wedge\quad+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{sa}}\leq D\quad_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$$

$$(D\geq\boldsymbol{n}<\quad\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_s} + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}^{(n_i-j_s+1)}\sum_{j^{sa}=}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\quad-n_{is}-1)!}{(j_s-2)!\cdot(\quad-n_{is}-j_s+1)!}\cdot$$

$$\frac{(\quad-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-\quad-j^{sa})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}-j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{a}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j^{ik}_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j^{ik}_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

GULDUNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{is}+j_s-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i \quad n_{is}-1)}{(j_s-2)! \cdot (n_i - \quad + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{} - 1)!}{(j^{sa} - j_{} - 1)! \cdot (n_{is} + \quad - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{n_{sa} + j^{} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \quad - j_{sa}+1)!}{(+ \boldsymbol{l_{sa}} - \quad \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l_s} - j_s + 1)!}{(\boldsymbol{l_s} + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\boldsymbol{l_s} - j^{sa} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le \boldsymbol{n} + j_{sa} - \boldsymbol{n}) \big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 1 \wedge$

$j_{sa} \ge 1 \wedge j_{sa} - j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\right.$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \leq\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\ +j_{sa}-\boldsymbol{n}-\ )\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D\ \boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}\ 1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}\ j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\ +j_{sa}^{ik}-\ =\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}^{ik}\ \boldsymbol{n}<\boldsymbol{l_{ik}}\leq D\ \boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\ >1\ \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-\ \leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \Bigg(\sum_{k=} \sum_{} \sum_{\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \Bigg) +
$$

$$
\Bigg(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=2}^{\boldsymbol{n}+j_{sa}-}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(}\sum_{=\boldsymbol{n}+\mathbb{k}-j_s-1)}^{(j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

GULDUNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}^{(n_i-j_s+1)} \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}-1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\left. \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s}^{\boldsymbol{n}-j_{sa}-s}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-\ \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+$

$\mathbb{k}\cdot z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=j_{sa}+}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ \ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{}^{(\ \ )}\sum_{}^{j_{sa}^{ik}(n_{sa}=}j_{sa}^{ik}-j_{sa}-\mathbb{k})$$

$$\frac{(n_{ik}+j^{}-s-\ j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ -j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D+j^{sa}\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \geq 1 \wedge \boldsymbol{l_s} \leq D -\ \ + 1 \wedge$

$1 \leq j_{}\leq j^{sa}-j_{sa}+\ \wedge$

$j_s+j_{sa}-1 \leq\ \ \leq \boldsymbol{n}+\ \ -s \wedge$

$\boldsymbol{l_{ik}}\ \ +1=\boldsymbol{l_s}\wedge\ \ +j_{sa}^{ik}-\ \ =\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$+s-\ \ <\boldsymbol{l_i}\leq D+\ \ +s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\ \ <n\wedge\ \ \ \ \ \ 0\wedge$

$j_{sa}\leq j_{sa}^{i}\ \ 1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\ \ \{j_{sa}^{s},\mathbb{k}\ \ ,\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z=1)\Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}^{} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s-\mathbb{k}-j^{s}_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_{sa}}} - j_{sa}^{ik}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}
$$

GÜLDÜNYA

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$\mathcal{S}_{j_s,j^{sa}}^{iSO}=\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s}} \sum_{(n_{sa} = n_{ik} + j_{sa}}^{(} \quad -\mathbb{k})$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} \quad)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \quad \boldsymbol{l_i})!}{(D + j^{sa} + \quad - \boldsymbol{n} - \boldsymbol{l_i} - j \quad)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq \quad - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j \quad \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} - j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \quad < n \wedge I = \mathbb{k} \geq \quad) \wedge$

$j_{sa} \leq j_{sa}^{i} - \quad \wedge j_{sa}^{s} = j \quad - 1 \wedge$

$\boldsymbol{s}: \{ \quad , \quad _{sa}, \cdots, j_{sa}^{t} \} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = \quad + \mathbb{k} \wedge$

$\mathbb{k}_2 \quad \quad) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_{sa}}-}{(\quad+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j^{sa}-s)!}-$$

$$\sum_{(j_s=2}^{-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+\quad-j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} <$ $\wedge\ \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}^{} \sum_{j^{sa} = j_s + j_{sa} - 1}^{}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{ik} - \mathbb{k}}
$$

$$
\frac{(n_i}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{(j_s = 2)}^{} \sum_{j^{sa} = j_s + j_{sa} - 1}^{}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$fzS_{j_s\cdots a}=\sum_{k=1}^{}\sum_{(j_s=2)}^{(j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{is}+j_s-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1}{(j_s-2)!\cdot(n_i}\cdot$$

$$\frac{(n_{is}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+\cdots-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(\cdots-1)!}{(n_{sa}+j_{sa}-\boldsymbol{n}-1)!\cdot\cdots-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\cdots-j_{sa}+1)!}{\cdots+\boldsymbol{l_{sa}}-\cdots)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+\cdots-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j^{\text{İSO}}_{\dots,j^{sa}} = \sum_{k_z} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

GÜLDÜNYA

$$D > \boldsymbol{n} < n$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}+1)!}{(\boldsymbol{l_{ik}}+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{n})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-\boldsymbol{n})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz^{ISO}_{j_s, j^{sa}} = \sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_i - j_s + 1)}^{(n_i - j_s \boldsymbol{n} + \mathbb{k} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} + \quad)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \quad)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(\quad + \boldsymbol{n} - D - s + 1)}^{(\quad - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(\quad_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(n_{is} + j_s - j^{sa} - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{(} \sum_{(j_s=} \sum_{-j_{sa}+1)} \sum_{\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + \boldsymbol{n} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_{sa} \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - \quad)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{j_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D\ldots k+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}\,(n_{is}\ldots}^{n}\sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s^{ik}}\sum_{j_{sa}^{ik}\,(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(\ldots+j_{sa}^{s}\ldots-j_{sa}^{s})!}{(n_{ik}\ldots j^{sa}+j_{sa}^{ik}-\boldsymbol{n}\ldots j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ldots j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \ldots < n \wedge \boldsymbol{l_s} > 1 \ldots \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \ldots$

$j_s+\ldots a}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ldots=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\ldots s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GULDUNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{n} \sum_{(j_s=\cdots)}^{(\cdots - j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\cdots - j_{sa}^{ik}}
$$

$$
\sum_{n_i=\cdots+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(\cdots - n_{sa} - 1)!}{(n_{is}^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\cdots}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + j_s - j^{sa} - s)!}$$

$$\sum_{1 \le j_s = j^{s} - l_{sa} + 1}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{l_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{(\ )} \sum_{n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k}}^{(\ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} - j^{sa} + \boldsymbol{l_{sa}} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}\ -j_{sa}-j^{sa}-s)}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ =\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\ \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}} \leq D+\ +j_{sa}-\boldsymbol{n}-\ ^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D\ \boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}\ 1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}\ _a-s \wedge$

$\boldsymbol{l_{ik}}\ j_{sa}^{ik}+1=\boldsymbol{l_s}\ _a+j_{sa}^{i}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$+j_{sa}\ <\boldsymbol{l_{sa}} \leq D\ \boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \wedge$

$(D \geq\ <n \wedge 1\ \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}\ \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\{j_{sa}^{s}, \mathbb{k}\ _a, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z : z=1) \Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i - j_s + 1}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s}} \sum^{(} (n_{sa} = n_{ik} + j_{sa}^{} - \mathbb{k})$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}\right)!} \cdot \frac{}{(\boldsymbol{n} + j_s - j^{sa} - s)!}$$

$$\frac{(\boldsymbol{l_s}\ \ )!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D + j^{sa} + \ \ - \boldsymbol{n} - \boldsymbol{l_i} - j_{\ }! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{\ }} \leq D - \boldsymbol{n} + 1$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{\ } \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{\ }} - j_{sa}^{ik} + \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} \ \ j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \ \ D + \boldsymbol{l_{ik}} \ \ j \ \ - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} \ \ n \wedge \boldsymbol{l_s} > 1 \wedge \ \ \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} \ \ j_{sa} + 1$

$j_s \ \ j_{sa} \ \ 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ \ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=} \sum_{(j_s=2)}^{(j^{sa}-j_{} \cdots +1)} \sum_{j_{} \cdots \boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(n_{is} + j_s - j^{sa} - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{(} \sum_{(} \sum_{} \sum_{n_{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + \boldsymbol{n} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 - j_{sa} \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{jz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-}^{(n_i-j_s+1)} \sum_{j^{sa}=}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\quad - n_{is} - 1)!}{(j_s - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\quad - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - \quad - j^{sa})!} \cdot$$

$$\frac{(\quad - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{a} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\quad + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \geq 3+\mathbb{k} \wedge$

$\mathbb{k}_z: \mathbb{k}_z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{\boldsymbol{l_s}=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{n}-D-s+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+}^{(\ )}\ \sum_{-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-\ \ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ \ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ \ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ \ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\ \ D+\boldsymbol{l_{ik}}+j_{sa}-\ \ -1 \wedge$

$D+j_{sa}-\boldsymbol{n}<\ \ \leq D+\ \ +j_{sa}-\boldsymbol{n}-1) \vee$

$(D\ \ \boldsymbol{n}<n \wedge \boldsymbol{l_s}>\ \ \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\ \ <\boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

GULDUNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=}^{+j_{sa}-s}
$$

$$
\sum_{n_i=}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}^{(j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - \quad -1)!}{(j_s - \quad \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{s} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{a - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s^{}}\sum_{j_{sa}^{ik}(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik}+j_{sa}$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D$$

$D \geq$ $< n \wedge \boldsymbol{l_s} = 1 \wedge$ $\leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j$ $- j_{sa} + 1$

$j_s +$ $- 1 \leq j$ $\leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

^{ik} $\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GULDUNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_{sa}} - j_{sa} - \boldsymbol{l_{sa}})!}{(D + j_{sa} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i - j^{sa} - \mathbb{k} + 1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\boldsymbol{l_{sa}}-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{=n_i+j_{sa}-j^{sa}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$(\quad \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s}=1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq \quad \leq j^{sa}-j_{sa}+1 \wedge$

$\quad + j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \quad \wedge \quad +j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+\quad -\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s}=1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\quad-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l}_{\quad}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Big) -$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{=n_i+j_{sa}-j^{sa}-\mathbb{k}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{\left(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}+j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$(\quad\geq \boldsymbol{n}<\boldsymbol{l}_{\quad}\wedge \boldsymbol{l_s}=1\wedge \quad\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq \quad\leq j^{sa}-j_{sa}+1\wedge$$

$$\quad+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\quad\wedge\boldsymbol{l}_{\quad}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}\quad<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$$

$$(D\geq \boldsymbol{n}<\quad\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\boldsymbol{l_{sa}}-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{sa}=n_i+j_{sa}-j^{sa}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{\left(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \quad = 1 \wedge \boldsymbol{l_i} < D-\boldsymbol{n}+1 \wedge$

$1 \leq i_{\cdot} \leq j^{sa}-j_{sa} \quad 1 \wedge$

$i_{\cdot}+j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \quad \boldsymbol{l_i} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \quad D+\quad -\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < \quad \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{\boldsymbol{n}+\mathbb{k}}^{(\ )} \sum_{(n_{ik}+j_{sa}-j^{sa}-\mathbb{k}+1)}^{} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa})!}{(n_{ik} + j_{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} - 1 \wedge \boldsymbol{l_s} - D - \boldsymbol{n} \wedge$

$1 \leq j_{sa} \leq j^{sa} - j_{sa} + \wedge$

$j_s + j_{sa} - \leq j^{sa} \leq \boldsymbol{n} - j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik} + 1 = \boldsymbol{l_s} - \boldsymbol{sa} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} - \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$D \geq \boldsymbol{n} \quad t \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GULDUNYA

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} -}{(j^{sa}-2)! \cdot (n_i - n_{sa} - {}^{sa} + 1)!}
$$

$$
\frac{(n_{sa} -}{(n_{sa}+j^{sa} \quad -1)! \cdot (\boldsymbol{n} - {}^{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \quad - s)!}{(D \quad {}_{sa} \quad \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n}-s)!} -
$$

$$
\sum_{1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} - {}^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{sa} + {}^{ik} - \boldsymbol{n} \quad {}_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \quad < n \wedge \boldsymbol{l_s} = 1 \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1$

$j_s + \quad - 1 \leq \quad + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$+ j^{ik} \quad < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}}^{(n_i-j^{sa}-\mathbb{k}+} \sum_{-j^{sa}+1)}
$$

$$
\frac{(n_i - \quad - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} \quad + 1)!} \cdot
$$

$$
\frac{(n_{s} - 1)!}{(n \quad j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} - j^{sa})!}
$$

$$
\frac{(\quad)!}{(\quad - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + \quad - \boldsymbol{l_{sa}} \quad)!}{(D \quad j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}} \quad) \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\quad \mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} + j^{ik}_{sa} - s - \ \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{s} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \ \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$\left((\quad \geq \boldsymbol{n} \quad m \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge\right.$

$1 \leq j_s \leq \quad - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$\text{İSO}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq$ $\boldsymbol{n}$ $\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} -$

$\boldsymbol{l_{ik}} -$ $+ 1 > \boldsymbol{l_s} \wedge$ $+ j_{sa}^{ik} - j_{sa} =$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik}$ $\wedge \boldsymbol{l_i} \leq$ $+ s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} =$ $\boldsymbol{l_s} \leq D -$ $\boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq$ $- j_{sa} + 1 \wedge$

$j_s +$ $- 1 \leq$ $+ j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\leq D$ $_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

GÜLDÜNYA

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} -$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{n}-)!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - \ \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \ 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \ + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \ \wedge \boldsymbol{l_{sa}} + \ - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + \ - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq \ + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \ < \boldsymbol{l_i} \leq D + \ + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \ < n \wedge \ \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \ - j_{sa} + 1 \wedge$

$\ + j_{sa} \ \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\quad)} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}
$$

$$
\sum_{\boldsymbol{n}+\mathbb{k}\,(n_{sa}=\boldsymbol{n}-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{n} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 1)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa})!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1 - j_{sa} + 1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{\boldsymbol{l_i}+1 - j_{sa}-D-s}^{(n_i - j_s + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik} - j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} - D \geq \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s}^{n_{is} + j_s - j^{sa}} \boldsymbol{n} - j^{sa} + 1
$$

$$
\frac{(n_{\quad} \quad n_{is} - 1)}{(j_s - 2)! \cdot (n_i - \quad + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} \quad - 1)!}{(j^{sa} - j_s - 1 \quad + j_s \quad - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{\quad_{sa} + j^{sa} \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} \quad \boldsymbol{l_{sa}} - s)!}{(D \quad {}^{sa} - \boldsymbol{n} \quad \boldsymbol{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j^{ik}_{sa} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=n_{is}+j_{sa}-j^{sa}-\mathbb{k}}^{n_{is}+j_{sa}-1}$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$f_{z^{\cup}j_s,j} = \left(\sum_{k=1}^{(\quad)} \sum_{(j_s \quad j_{sa}+1)\ j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\boldsymbol{n}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D-j^{sa}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=} \sum_{} \sum_{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(}^{(\boldsymbol{n}-s+}\sum_{=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j^{sa}-j_{sa})} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ \boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>\ -\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}<\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big)\wedge$

$(D\geq\boldsymbol{n}\ \ \wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-n_{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l_s}-j_s+1)!}{(\boldsymbol{l_s}+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} - D}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(\quad)} \sum_{= \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\quad j_s + 1)} \sum_{n_{is} + j_s - j^{sa} - \mathbb{k}}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{sa} = \boldsymbol{n} - j^{sa} + 1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1$

$\boldsymbol{s}: \{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee$ (illegible)

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{}^{(\ )}\sum_{j_{sa}^{ik}\,(n_{sa}=}^{}{}_{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{}-s-\ j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ -j_{sa}^{s})!\,\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \boldsymbol{l_i})!}{(D+j^{sa}\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_{} \leq j^{sa}-j_{sa}\ \wedge$

$j_s + j_{sa}-1 \leq \ ^{a} \leq \boldsymbol{n}+\ -s \wedge$

$\boldsymbol{l_{ik}}\ ^{ik}_{a}+1=\boldsymbol{l_s} \wedge\ +j_{sa}^{ik}\ _{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n}\ \wedge I=\mathbb{k}>\ \wedge$

$j_{sa} \leq j_{}-1 \wedge j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\ j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$>4 \wedge\ s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{\imath}SO}=\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

GULDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad)}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_{sa}}-\quad)!}{(\quad+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s=\quad-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+\quad-j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j_s+1}^{n_{is}+\boldsymbol{n}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - \quad - 1)!}{(n_i - \quad - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - \quad - \mathbb{k} - 1)!}{(j^{sa} - j_s - \quad \cdot (n_{is} + \quad - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j \quad - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$fz^{iSO}{}_{j_{sa}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ \ )!\cdot(\ \ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ \ -j_{sa})!\cdot(\boldsymbol{n}\ \ -j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ =\boldsymbol{l_{ik}} \wedge \boldsymbol{l_{i}}\ \ -j_{sa}-s>\ \ \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge \ \ \leq j_{sa}^{ik}-1$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots\ \ ^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots\ \ ^{ik},\mathbb{k}\ \ ,\cdots,j_{sa}^{i}\} \wedge$

$s\ \ 4 \wedge \boldsymbol{s}=\ \ \mathbb{k} \wedge$

$\mathbb{k}_z\ \ =1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{}$$

$$\sum_{n_{}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\quad-j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \quad > D - \quad + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j_s + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \boldsymbol{l_s} \wedge \boldsymbol{l} \quad - j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \quad \boldsymbol{n} \quad n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(\quad-1)!}{(n_{\quad}+j^{sa}-\boldsymbol{n}\quad1)!\cdot(\boldsymbol{n}-j^{sa}\quad}\cdot
$$

$$
\frac{(\boldsymbol{l_s}\quad2)!}{(\boldsymbol{l_s}-j_s\quad_s-2)!}\cdot
$$

$$
\frac{(\quad-\boldsymbol{l_s}-j_{\quad}+1)!}{+\boldsymbol{l_{sa}}-j^{sa}\quad)!\cdot(j^{s\quad}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}\quad\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}\quad-\boldsymbol{l}\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{(\ \ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s-\ \mathbb{k}-j^{s}_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - s)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{j^{sa} = j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{(\quad j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{is} = j_s - j^{sa} - \mathbb{k}}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + +1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \mathbb{k})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\mathbb{k}}^{(n-s+1)} \sum_{i=\boldsymbol{l_i}+\boldsymbol{n}-\mathbb{k}}^{(n-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} - j^{sa} + j_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s\,,j^{sa}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+\mathbb{k}-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - \quad - 1)!}{(\quad - z) \quad - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n \quad - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1 \quad (n_{is} + \quad - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j \quad - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j \quad \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz^{\cup}{}_{j_s} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-\mathbb{k})} \sum_{(j_s-\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_{sa}+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}+1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{l}\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge\right.$$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j_{z\,i_{sa}}^{iSO} = \sum_{k=1}^{(j^{sa} - j_{sa}+1)} \sum_{(j_s - \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i - j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ -s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+\ j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq\ < n \wedge \boldsymbol{l_s} >\ -\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}\ +1 \wedge$

$j_s\ -1 \leq j^{sa}\ \boldsymbol{n}+j_{sa}\ \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}\ 1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\ j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq\ < n \wedge 1\ \ 0 \wedge$

$j_{sa} \leq j_{sa}^{i}\ \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\{j_{sa}^{s}\ \ ,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{\imath}SO}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}}-D)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\right)\quad(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\frac{(\boldsymbol{l_s}\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\quad\boldsymbol{l_i})!}{(D+j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}\quad1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{\quad}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad D-\boldsymbol{n}\quad1\wedge$

$2\leq j_s\quad j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\quad j^{sa}\leq\boldsymbol{n}\quad j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}\quad j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<\quad\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\quad j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{iSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \cdots + j_{sa} - D - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} \cdots + 1}^{n_{is} + \cdots - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - \cdots - 1)!}{(n_i - \cdots - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - \cdots - \mathbb{k} - 1)!}{(j^{sa} - j_s - \cdots \cdot (n_{is} + \cdots - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_{\cdots} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_{s\cdots} - \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \quad > 0 \wedge$

$j_s \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{\quad, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{\quad, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$\geq 4 \wedge = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$fz S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\ +j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge\right.$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\quad - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\quad - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ \ =\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+\ \ j_{sa}-s=\ \ ) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}\ \ 1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa}\ \ \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j}^{I,\mathbb{k}} = \sum_{(\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa})}^{\boldsymbol{n}+j_{sa}-s} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-j_{sa})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{(j_s=)}^{(} \sum_{(\quad+1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{} } \sum_{=j_{sa}+1}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\quad+1)} \sum_{(\quad=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - {}_{s} - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(l_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}^{(\quad)}\sum_{}^{l_{sa}}\sum_{-j_{sa}^{ik}+1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\quad+1)}\sum_{(\quad=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(\quad-1)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-\quad_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=j_{sa}+1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee$ $(j_{sa}^{s}, \cdots, j_{sa}^{ik}, \cdots, j_{sa}, \cdots,)$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{}^{n_{is}-j^{sa}-\mathbb{k}}\sum_{}^{j^{sa}+1}$$

$$\frac{(n_i \quad n_{is}-1)!}{2)!\cdot(n_i \quad n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} \quad {}^{sa}-\mathbb{k} \quad)!}{(j^{sa}-j_s \quad 1)!\cdot(n_{is} \quad j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa} \quad 1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{i}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s}^{j_{sa}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{\boldsymbol{l_{ik}}}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{\boldsymbol{l_{ik}}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - } \sum_{(n_{sa} = n_{ik} + j_{sa}^{} - \mathbb{k})}^{(}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + \boldsymbol{l_i})!}{(D + j^{sa} + \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq j^{sa} - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} < \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 < \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} - j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} < D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{l} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \boldsymbol{l} - j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} \neq \boldsymbol{n} + \mathbb{k} \wedge$

$\mathbb{k}_z \cdot (\mathbb{k} - 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{\quad} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{l_s} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa} - 1)!}{(\boldsymbol{n} + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (\boldsymbol{l_s} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{n} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{(\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{sa}+1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{n_i = 2}^{(\boldsymbol{l_s})} \sum_{n_{sa} = \boldsymbol{l_s} + j_{sa}}^{\boldsymbol{n} + j_{sa} -}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{\quad} \sum_{= \boldsymbol{n} + \mathbb{k} - j_s - 1)}^{(\quad j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - \quad s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{\quad} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} \leq \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-\cdots \wedge j_{sa}^{s} \leq j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon(\cdots,j_{sa}^{ik},\mathbb{k},j_{s}\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\cdots$

$\mathbb{k}\colon z=1)=\cdots$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{n}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\left.\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot\right)$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{}$$

$$\sum_{n_{ik}+j_{sa}^{s}-j_{sa}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(\quad+j_{sa}^{ik}-s-\quad-j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-\quad_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$(\quad\geq\boldsymbol{n}<\quad\boldsymbol{l_s}>1\wedge\quad\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq\quad\leq j^{sa}-j_{sa}\quad1\wedge$$

$$\quad+j_{sa}\quad1\leq j^{sa}\leq\boldsymbol{n}\quad j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\quad\wedge\quad+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{sa}}\leq D\quad_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$$

$$(D\geq\boldsymbol{n}<\quad\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_s} + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{j^{sa}=j_{sa}+1}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_{sa}-1)!\cdot(n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l}$ $\wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s}$ $D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{s}$ $\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}$ $- j_{sa}^{ik} +$ $\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}$ $j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}$ $\boldsymbol{l_i} \leq D$ $) \vee$

$(D \geq$ $< n \wedge \boldsymbol{l_s} > 1 \wedge$ $\leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}$ $j_{sa}+1 \wedge$

j_s $_{sa}$ $1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} +$ $> \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}}$ $+ j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GULDUNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s}^{n_{is}+j_s-j^{sa}+1}
$$

$$
\frac{(n_i \quad n_{is}-1)}{(j_s-2)! \cdot (n_i - \quad + 1)!} \cdot
$$

$$
\frac{(n_{is}-n_{sa} \quad -1)!}{(j^{sa}-j_s-1 \quad n_{is}+j_s \quad -j^{sa}-\mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{n_{sa}+j^{sa} \quad -\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} \quad -j_{sa}+1)!}{(\quad +\boldsymbol{l_{sa}} \quad \boldsymbol{l_s})! \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+ \quad -\boldsymbol{n}-\boldsymbol{l_{sa}})! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s- \mathbb{k}-j^s_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}- \mathbb{k}-j^s_{sa}\right)! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - j^{sa} - n_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l_s} - j_{sa} + 1)!}{(\boldsymbol{l_s} + \boldsymbol{l_{sa}} - j^{sa} - j_{sa})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{l_s} - \boldsymbol{l_{sa}} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \wedge$

$\boldsymbol{l_{sa}} \le + j_{sa} - \boldsymbol{n}) \wedge$

$(D \ge \boldsymbol{n} < \wedge I = \mathbb{k} > \wedge$

$j_{sa} - 1 \wedge j_{sa} - j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$= s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{\boldsymbol{l_s}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{\boldsymbol{l_s}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\right.$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-\ =\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\ +j_{sa}-\boldsymbol{n}-\ \big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D\ \boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}\ 1\wedge$$

$$j_s+j_{sa}-1\ \ ^{sa}\leq\boldsymbol{n}\ \ _{a}-s\wedge$$

$$\boldsymbol{l_{ik}}\ \ _{sa}^{ik}+1>\boldsymbol{l_s}\ \ _{a}+j_{sa}^{ik}\ \ =\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}^{ik}\ \ \boldsymbol{n}<\boldsymbol{l_{ik}}\leq D\ \ \boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\ >1\ \ \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\ \ j_s\leq\ ^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-\ \leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \Bigg(\sum_{k=1}^{(\quad)} \sum_{\quad}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{\quad}^{\quad} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\quad}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\quad} \sum_{(\quad=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\quad+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{\quad} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - {}_{\quad}s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \Bigg) +
$$

$$
\Bigg(\sum_{k=1}^{n} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(}\sum_{=\boldsymbol{n}+\mathbb{k}-j_s-1)}^{j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})} \frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

GULDUNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - \cdots}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s - \cdots}^{} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s}^{(n_i - j_s + \cdots)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \cdots}
$$

$$
\frac{(\cdots - n_{is} - 1)!}{(\cdots - 2)! \cdot (\cdots - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - \cdots - \mathbb{k} - 1)!}{(j^{sa} - \cdots - 1)! \cdot (\cdots + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\left. \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{is}-n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{sa}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-\ \wedge j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{\ \cdots,j_{sa}^{ik},\mathbb{k},j_{s}\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+$

$\mathbb{k}\cdot z=1)=$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{}^{(\ )}\sum_{}^{j_{sa}^{ik}(n_{sa}=}{}^{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{}-s-\ j_{sa}^{s})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ -j_{sa}^{s})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D+j^{sa}\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \geq 1 \wedge \boldsymbol{l_s} \leq D -\ \ + 1 \wedge$

$1 \leq j_{}\leq j^{sa}-j_{sa}+\ \wedge$

$j_s+j_{sa}-1 \leq\ \ \leq \boldsymbol{n}+\ \ -s \wedge$

$\boldsymbol{l_{ik}}\ ^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\ \ +j_{sa}^{ik}-\ _{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$+s-\ \ \prec \boldsymbol{l_i}\leq D+\ \ +s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\ \ <n\wedge\ \ \ \ 0\wedge$

$j_{sa}\leq j_{sa}^{i}\ \ 1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\ :\{j_{sa}^{s},\cdots,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z=1)\Rightarrow$

GULDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}^{} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik}+j^{ik}_{sa}-s-\mathbb{k}-j^{s}_{sa}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_{sa}} - j_{sa}^{ik}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{(n_i - j_s - j^{sa} - \mathbb{k})}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

GÜLDÜNYA

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j^{ik}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},\ \cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

$$\mathbb{S}_{j_s,j^{sa}}^{iso}=\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i - j_s + 1}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s}} \sum_{(n_{sa} = n_{ik} + j_{sa}} (n_{sa} = n_{ik} + j_{sa} - \mathbb{k})$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} < \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + j_{sa} < \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} - j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0) \wedge$

$j_{sa} \leq j_{sa}^{i} - \mathbb{k} \wedge j_{sa}^{ik} = j_{sa}^{s} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{\cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} \neq \mathbb{k} + \mathbb{k} \wedge$

$\mathbb{k}_2 \neq \mathbb{k}_2) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_{sa}}-\quad)!}{(\quad+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j^{sa}-s)!}-$$

$$\sum_{(j_s=2)}^{(\quad-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s})!}{(n_{ik}+\quad-j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

GÜLDÜMYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} - \mathbb{k}}
$$

$$
\frac{(n_i
$$

$$
\frac{(n_{is}
$$

$$
\frac{(n_{sa} - 1)!}{(
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{i},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$fzS_{j_s\ldots a}=\sum_{k=1}^{\ldots}\sum_{(j_s=2)}^{(j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{is}+j_s-j^{sa}+1}^{n_{is}+j_s-j^{s}}$$

$$\frac{(n_i - n_{is} - 1}{(j_s - 2)! \cdot (n_i - \quad + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - \quad - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\quad - 1)!}{(n_{sa} + j \quad - \boldsymbol{n} - 1)! \cdot \quad - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \quad - j_{sa} + 1)!}{+ \boldsymbol{l_{sa}} \quad)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{s}^{i}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j_{\ldots,j^{sa}}^{\text{İSO}} = \sum_{k_{\ldots}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{\quad}+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(j_s-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l_s}-j_s+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad-j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz_{j_s, j^{sa}}^{ISO} = \sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s)}^{j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_i - j_s + 1)}^{(n_i - j_s \boldsymbol{n} + \mathbb{k} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} - 1)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \quad)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(\quad + \boldsymbol{n} - D - s + 1)}^{(\quad - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(\quad_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = 2)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = \boldsymbol{l_s} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{n} \sum_{(j_s = 2)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = \boldsymbol{l_s} + j_{sa}}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{(} \sum_{(j_s=j_{sa}+1)}^{} \sum_{\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + j_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_{sa} \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D\ldots k+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}\,(n_{is}\ldots}^{n}\sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s^{ik}}\sum_{j_{sa}^{ik}\,(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(\ldots+j_{sa}^{s}\ldots-j_{sa}^{s})!}{(n_{ik}\ldots j^{sa}+j_{sa}^{ik}-\boldsymbol{n}\ldots j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ldots j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \ldots < n \wedge \boldsymbol{l_s} > 1 \ldots \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \ldots$

$j_s+\ldots a}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ldots=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\ldots s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\imath}so} = \sum_{k=1}^{} \sum_{(j_s=} \sum_{j^{sa}=j_{sa}+1}^{j_{sa}^{ik}}
$$

$$
\sum_{n_i=} \sum_{(n_{is}=\boldsymbol{n}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - j^{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_s - j^{sa} - s)!}$$

$$\sum_{1 \le j_s \le j^{sa} - j_{sa} + 1} \sum_{j^{sa} = j_{sa}}^{(\quad)} \sum_{j^{sa} = j_{sa} + 1}^{n_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k}}^{(\quad)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + j_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} \sum_{k=1}^{\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1} \sum_{(j_s=2)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-s)}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ =\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\ \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}} \leq D+\ +j_{sa}-\boldsymbol{n}-j^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D\ \boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}\ 1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}\ _a-s \wedge$

$\boldsymbol{l_{ik}}\ j_{sa}^{ik}+1=\boldsymbol{l_s}\ _a+j_{sa}^{ik}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$+j_{sa}\ <\boldsymbol{l_{sa}} \leq D\ \boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \wedge$

$(D \geq\ <n \wedge 1\ \ 0 \wedge$

$j_{sa} \leq j_{sa}^{i}\ \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\{j_{sa}^{s},\ ,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{n}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is}}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s}}^{(} \sum_{(n_{sa} = n_{ik} + j_{sa}}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}\ \ )!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D + j^{sa} + \ \ - \boldsymbol{n} - \boldsymbol{l_i} - j\ \ )! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l}\ \ \leq D - \boldsymbol{n} + 1$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{\ \ } \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ \ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} \ \ j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \ \ \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ \ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=} \sum_{(j_s=2)}^{(j^{sa}-j_{} \cdots +1)} \sum_{j_{} \cdots \boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}+\boldsymbol{n}+\mathbb{k}-j_{sa}-D-s=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s})!}{(n_{ik} - j^{sa} + \boldsymbol{n} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \quad j_{sa} \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{jz}S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = 2)}^{\boldsymbol{l_s} + j_{sa} - 1} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j^{sa} - \mathbb{k}} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-}^{(n_i-j_s+1)} \sum_{j_{sa}+1}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\quad - n_{is} - 1)!}{(j_s - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (\quad + j_s - n_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\quad - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \quad \boldsymbol{a} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\quad + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=$ $\wedge \boldsymbol{l_i}+j_{sa}-s$ $\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s}$ $D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j$ $\boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+$ $\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}$ $\boldsymbol{n}-1)\big) \wedge$

$(D \geq$ $n \wedge I=\mathbb{k} >$ $\wedge$

$j_{sa} \leq j_{sa}^{i}-$ $j_{sa}^{ik}=j$ $-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{$ $\mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} =$ $+\mathbb{k} \wedge$

$\mathbb{k}_z:$ $-1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{\boldsymbol{l_s}=1}^{(\boldsymbol{l_s})} \sum_{(j^{sa}=\boldsymbol{n}-D-s+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+}^{(\ )}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^{s}\right)}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)\ (\boldsymbol{n}+j_{sa}-}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ )!}{(D+j^{sa}+s-\boldsymbol{n}-\ -j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ -s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ > \boldsymbol{l_{ik}} \wedge$

$D+\ -\boldsymbol{n}<\boldsymbol{l_{sa}}\ D+\boldsymbol{l_{ik}}+j_{sa}-\ \wedge$

$D\ j_{sa}-\boldsymbol{n}<\ \leq D+\ +j_{sa}-\boldsymbol{n}-1) \vee$

$(D\ \boldsymbol{n}<n \wedge \boldsymbol{l_s}>\ \wedge \boldsymbol{l_s} \leq D-\ +1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa}<\ +j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\ <\boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

GULDUNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=} ^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=} ^{+j_{sa}-s}
$$

$$
\sum_{n_i=} ^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s} ^{(} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1} ^{a}-\mathbb{k}
$$

$$
\frac{(n_i -)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{} - n_{sa} -)!}{(- j_s - 1)! \cdot (+ j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{ - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(+ \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} ^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} ^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}} ^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} ^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1} ^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}$$

$$\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{ik}+j_{sa}-s-$$

$$\frac{(n_{ik}+j_{sa}-s-j_{sa}^{s})!}{(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq$ $< n \wedge \boldsymbol{l_s} = 1 \wedge$ $\leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j$ $- j_{sa} + 1$

$j_s +$ $- 1 \leq j$ $\leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$+ j_{sa}^{ik}$ $\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GULDUNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{k}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\boldsymbol{l_{sa}}-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Big) -$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{sa}=n_i+j_{sa}-j^{sa}-\mathbb{k}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$(\quad \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s}=1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq \quad \leq j^{sa}-j_{sa}+1 \wedge$

$\quad + j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \quad \wedge \quad +j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+\quad -\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s}=1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\quad-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l}_{\quad}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Big) -$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-\mathbb{k}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{\left(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$(\quad\geq \boldsymbol{n}<\boldsymbol{l}_{\quad}\wedge \boldsymbol{l_s}=1\wedge \quad\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq \quad\leq j^{sa}-j_{sa}+1\wedge$$

$$\quad+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\quad\wedge\boldsymbol{l}_{\quad}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}\quad<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$$

$$(D\geq \boldsymbol{n}<\quad\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_{sa}}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\boldsymbol{l_{sa}}-j_{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Big) -$$

$$\sum_{k=1}^{(\quad)} \sum_{j_{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{sa}=n_i+j_{sa}-j^{sa}-\mathbb{k}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(\quad+j_{sa}-s-\quad-j_{sa}^{s})!}{(n_{ik}-j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \quad = 1 \wedge \boldsymbol{l_i} < D-\boldsymbol{n}+1 \wedge$

$1 \leq i_{ik} \leq j^{sa}-j_{sa}-1 \wedge$

$i_{ik}+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \leq \boldsymbol{l_i} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+\quad-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < \quad \wedge I=\mathbb{k}>0 \wedge$

$j_{sa}=j_{sa}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

GÜLDÜNYA

$$ {}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} - $$

$$ \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{\boldsymbol{n}+\mathbb{k}}^{(\ )} \sum_{(n_{ik}+j_{sa}-j^{sa}-j^{ik}_{sa}+1)} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}} $$

$$ \frac{(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa})!}{(n_{ik} + j_{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} - 1 \wedge \boldsymbol{l_s} - D - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + \wedge$

$j_s + j_{sa} - \leq j^{sa} \leq \boldsymbol{n} - j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik} + 1 = \boldsymbol{l_s} - \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} - \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$\boldsymbol{n} > \boldsymbol{n} - t \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} -}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} \quad \mathbb{k}+1)!}
$$

$$
\frac{(n_{sa} -}{(n_{sa}+j^{sa} \quad -1)! \cdot (\boldsymbol{n} - \quad sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \quad - s)!}{(D \quad \boldsymbol{l}_{sa}) \quad (\boldsymbol{n}-s)!} -
$$

$$
\sum_{1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{\quad ik}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} \quad {}^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{sa} + \quad {}^{ik} - \boldsymbol{n} \quad _{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \quad < n \wedge \boldsymbol{l_s} = 1 \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1$

$j_s + \quad - 1 \leq \quad + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\quad j^{ik} \quad < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

GÜLDÜNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s\,,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}} {}^{(n_i-j^{sa}-\mathbb{k}+} {}_{-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} \; \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_{} - n_{sa} - j \quad + 1)!} \cdot
$$

$$
\frac{(n_{} - 1)!}{(n_{} \; {}^{j^{sa}} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} - j^{sa})!}
$$

$$
\frac{(\quad)!}{(\quad - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + \quad - \boldsymbol{l_{sa}} \quad)!}{(D \quad {}^{j^{sa}} - \boldsymbol{n} - \boldsymbol{l_{sa}} \quad) \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\quad \mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} + j^{ik}_{sa} - s - \mathbb{k} - j^{s}_{sa}\right)!}{\left(n_{ik} + j^{} \quad + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$$
\left(\quad \geq \boldsymbol{n} \quad m \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge
$$

$$
1 \leq j_s \leq \quad - j_{sa} + 1 \wedge
$$

$$
j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge
$$

$$
\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge
$$

$$
D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}) \vee
$$

$$
(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge
$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$\underset{j_s, j^{sa}}{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j^{sa}-\mathbb{k}+1)} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq$ $\boldsymbol{n}$ $\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} -$

$\boldsymbol{l_{ik}} -$ $+ 1 > \boldsymbol{l_s} \wedge$ $+ j_{sa}^{ik} - j_{sa} =$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik}$ $\wedge \boldsymbol{l_i} \leq$ $+ s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} =$ $\boldsymbol{l_s} \leq D -$ $\boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq$ $- j_{sa} + 1 \wedge$

$j_s +$ $- 1 \leq$ $+ j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\leq D$ $_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

GÜLDÜNYA

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} -$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j_{sa}^{ik}-s-\ \mathbb{k}-j_{sa}^{s}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}-j^{sa}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{n}-)!\ \boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - \ \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \ 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \ + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \ \wedge \boldsymbol{l_{sa}} + \ - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + \ - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq \ + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \ < \boldsymbol{l_i} \leq D + \ + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \ < n \wedge \ \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \ - j_{sa} + 1 \wedge$

$\ + j_{sa} \ \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}
$$

$$
\sum_{\boldsymbol{n}+\mathbb{k}\,(n_{sa}=\boldsymbol{n}-j^{sa}+1)}
$$

$$
\frac{(\quad - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (\quad - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^{s}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

GÜLDÜNYA

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\quad)} \sum_{(j_s=j^{\quad}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D} \right.
$$

$$
\sum_{n_i=\quad}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(j^{sa}-j_{sa})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

GÜLDÜMYA

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \quad j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \quad)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\quad + j_{sa} - j \quad)!}\Big) -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = \quad - j_{sa} + \quad}^{\boldsymbol{n}+j_{sa}-s} \sum_{\boldsymbol{l_i} + \quad \ j_{sa} - D - s}^{(n_i - j_s + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \quad}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}$$

$$\sum \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik} \ (n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}$$

$$\frac{2 \cdot n_{is} + j_s \quad j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \ \mathbb{k})!}{(2 \cdot n_{is} \quad 2 \cdot j_s \quad j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \ \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$\quad \quad j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İso}} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{n_{sa}=}^{n_{is}+j_s-j^{sa}} \sum_{j^{sa}+1}^{}
$$

$$
\frac{(\quad - n_{is} - 1)!}{(j_s - 2)! \cdot (\quad - n_{is} - j_s + \quad)!} \cdot
$$

$$
\frac{\quad - n_{is} \quad - 1_s}{(\quad - j_s - 1) \quad (n_{is} + j_s \quad - j^{sa})!} \cdot
$$

$$
\frac{(\quad - 1)!}{(n_{sa} \quad j^{sa} - \boldsymbol{n} \quad 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{\quad} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_{sa}+1)}^{(n_i-j_s+1)} \sum_{j_{sa}=j_s+j_{sa}-1}^{n_i+j_s-j^{sa}}$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - 1)!}{(j_s - j_s - 1)! \cdot (n_{is} + j_s - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$\left({}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}\right)\sum_{=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(n_i-\boldsymbol{l_s}-j_{sa}+1)!}{(n_i+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$fz_{j_s,j^{sa}}^{SO} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - \cdots + 1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa} = j_s + j_{sa}}^{\cdots + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\Big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\Big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\Big)\Big)\wedge$$

$$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$$

$$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s - 2)! \cdot (n_i - n_{is} \quad j_s + 1)!}
$$

$$
\frac{(n_{is} \quad n_{sa} - 1)}{(j^{sa} - j_s - 1)! \cdot (\quad + j_s - n_{sa} - \quad)!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{(n_{sa} \quad j^{sa} \quad 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} \quad j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} \quad \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} \quad \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(j^{sa}-j_{sa})} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-}\sum_{(n_{sa}=n_{ik}+j_{sa}}^{(}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{\cdot}-j^{sa}-s_{\cdot}-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_{\cdot}+j_{sa}-n_{i}\right)\quad \boldsymbol{n}-j_{sa}\quad \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\quad \boldsymbol{l_i})!}{(D+j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\right.$$

$$2\leq j_s\leq j^{sa}-j_{sa}+\quad\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\vee$$

$$(D\geq\boldsymbol{n}<\quad\wedge\boldsymbol{l_s}>D-\quad+1\wedge$$

$$2\leq\quad\leq j^{sa}-j_{sa}\quad+1\wedge$$

$$j_s+j_{sa}-\quad\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

$$-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \Bigg(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa} = j_{sa}}^{\boldsymbol{l}_{sa}-1}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \Bigg) +
$$

$$
\Bigg(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}}^{(\boldsymbol{n}-s}$$

$$\sum_{n_i=}^{} \sum_{=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\ldots+j_{sa}-s>\ldots \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-\ldots \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \ldots \boldsymbol{s}=s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{ik}^{(\ )}\sum_{(n_{sa}=}^{}{}_{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-{}^{sa}-s-j_{sa}-)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-{}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \quad >D-\quad +1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}-1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}-j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\leq \boldsymbol{l_s}\wedge \boldsymbol{l_i}-j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D-\boldsymbol{n}\quad n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-\quad \wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{S}:\{j_{sa},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge \boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{sa}} -}{(\quad + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s=\quad - j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2 \cdot \quad + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot \quad + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_s} + \boldsymbol{n} + j_{sa} - D - 1}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{\boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_i - j_s + 1)}
$$

$$
\frac{(n_i - \quad - 1)!}{(j_s - \quad - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \ \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \ \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

GÜLDÜMYA

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\quad s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\quad-j_{sa}^{ik}-\quad\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\quad-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\quad-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\quad-\boldsymbol{l_i})!}{(D+j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j_{\quad})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+\quad \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad=\boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_i} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge l-\mathbb{k}=0 \wedge$

$j_{sa} \leq j^{sa}-1 \wedge j_{sa}^{s} \leq j^{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \quad j_{sa}^{i}\} \wedge$

$s \geq \quad = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(\boldsymbol{l_i}+\boldsymbol{n}-s-1)\, j_s+j_{sa}-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s - j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s - j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İso}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)} \sum_{j^{sa}=j_s+j_{sa}-}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}} \sum_{n_{sa}=} \sum_{j^{sa}+1}^{(n_i-j_s+1)\quad +j_s-j^{sa}}
$$

$$
\frac{\quad - n_{is} - 1)!}{(j_s - 2)! \cdot (\quad - n_{is} - j_s + \quad)!} \cdot
$$

$$
\frac{\quad - j_s - 1 \quad (n_{is} + j_s \quad - j^{sa})!}{(j^{sa} - j_s - 1 \quad (n_{is} + j_s \quad - j^{sa})!} \cdot
$$

$$
\frac{(\quad - 1)!}{(n_{sa} \quad j^{sa} - \boldsymbol{n} \quad 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

GÜLDÜMYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=\boldsymbol{l_{ik}}+\boldsymbol{n}-D+j_{sa}}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+}^{}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\quad -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\quad-\boldsymbol{n}-\boldsymbol{l_i}-j\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+\quad \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad=\boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_i} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \quad \mathbb{k}=0 \wedge$

$j_{sa} \leq \quad -1 \wedge j_{sa}^{s} \leq \quad -1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \quad j_{sa}^{i}\} \wedge$

$s \geq \quad =s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{-s}$$

$$\sum_{n_i=}^{n} \sum_{l_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_s-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_{sa}}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I-\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}-1\} \wedge$

$s \geq j_{sa}-\boldsymbol{s}=s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s}\sum_{j_{sa}^{ik}(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s-j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ $\geq D$ $\boldsymbol{n}+1 \wedge$

2 $j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-$ $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} -)!}{(n_{sa} + j^{sa} - - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - - j_{sa} + 1)!}{(j_s + - j^{sa} - \boldsymbol{l} \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(\boldsymbol{D} + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + ^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{=\boldsymbol{n}+}^{(\quad j_s+1)}$$

$$\sum_{n_{ik}} \sum_{\quad}^{(\quad)} \sum_{(n_{sa}=} {}^{ik}_{sa} - j_{sa} - \mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - {}^{sa} - s - j_{sa} -)!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - - j^{sa} - - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D - j^{sa} + - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} - 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \Big) \wedge$$

$$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$$

GÜLDÜNYA

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - 1)}{(j_s - 2) \cdot (n_i - n_{is} + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s) \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$fz^{\cdots j_s, j^{sa}} = \sum_{k=1}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-}^{(n_i-j_s+1)}\sum_{}^{+j_s-j^{sa}}$$

$$\frac{(\quad-n_{is}-1)!}{(j_s-2)!\cdot(\quad-n_{is}-j_s+\quad)!}\cdot$$

$$\frac{n_{is}\quad-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s\quad-j^{sa})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}\quad{}^{sa}-\boldsymbol{n}\quad1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\quad\boldsymbol{a}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-$

$\boldsymbol{l_{ik}}-j_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}+j_{sa}-s=\boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge l_{ik}=0 \wedge$

$j_{sa} \leq j^{sa}-1 \wedge j_{sa}^{s} \leq j^{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, j_{sa}^{i}\} \wedge$

$s \geq (j_{sa}^{s}=s) \Rightarrow$

$$fzS_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{(j_s = j^{sa} - \quad + 1)}^{(\quad)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\quad - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} - j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s}) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$\sum_{k=\boldsymbol{l_s}+\boldsymbol{n}-D}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l_s}-j_s+1)!}{(\boldsymbol{l_s}+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa}$ [illegible] $) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik}$ [illegible] $\wedge \boldsymbol{l_i}$ [illegible] $- s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa}$ [illegible] $\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\wedge \boldsymbol{l_{sa}}$ [illegible] $- j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D$ [illegible] $\boldsymbol{n} < n \wedge \boldsymbol{l_s} >$ [illegible] $- \boldsymbol{n} +$ [illegible]

$2 \leq j_s \leq j^{sa} - j_{sa} + 1$ [illegible]

$j_s + j_{sa} - 1 \leq j^{sa} <$ [illegible] $+ j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik}$ [illegible] $1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GULDUNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{n_{sa}=}^{+j_s-j^{sa}} \sum_{j^{sa}+1}^{}
$$

$$
\frac{(\quad - n_{is} - 1)!}{(j_s-2)! \cdot (\quad - n_{is} - j_s + \quad)!} \cdot
$$

$$
\frac{(\quad - n_{is} - 1)!}{(j^{sa} - j_s - 1 \quad (n_{is} + j_s \quad - j^{sa})!} \cdot
$$

$$
\frac{(\quad - 1)!}{(n_{sa} \quad j^{sa} - \boldsymbol{n} \quad 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{a} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(+ j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

GÜLDÜMYA

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} +$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} -$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=} \sum_{j^{sa}=\boldsymbol{l_{sa}}+} \sum_{n_i=} \sum_{n_{is}=\boldsymbol{n}-j_s+} \sum_{n_{sa}=} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(\boldsymbol{l_i}+\boldsymbol{n}-s-1)\, j_{sa}+j_{sa}-1}^{} \sum_{(n_i - j_s+1)}^{n} \sum_{n_i=\boldsymbol{n}+}^{} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{}$$

$$\frac{\left(2 \cdot n_{is} + j_s - j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = j_{sa} + }^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - }^{(n_i - j_s + 1)} \sum_{ + j_s - j^{sa}}^{ + j_s - j^{sa}}
$$

$$
\frac{(- n_{is} - 1)!}{(j_s - 2)! \cdot (- n_{is} - j_s +)!} \cdot
$$

$$
\frac{n_{is} \quad - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s \quad - j^{sa})!} \cdot
$$

$$
\frac{(\quad - 1)!}{(n_{sa} \quad ^{sa} - \boldsymbol{n} \quad 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{=\boldsymbol{n}}^{n_i - j_s - j^{sa}} \sum_{j_{sa}+1}$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{is} - j^{sa})!} \cdot$$

$$\frac{(n_{is} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$\left(\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j^{sa} + 1)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D - n_{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(} \sum_{j^{sa}-j_{sa}+1)}^{(} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{(l_{ik}^{sa}=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}+s\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} < D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{l_i} < n \wedge I = \mathbb{k} \geq 0) \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \neq \emptyset) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{} \sum_{(j_s=}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-} \sum_{}^{\boldsymbol{n}+j_{sa}-s} \sum_{}^{\boldsymbol{l_{sa}}+\boldsymbol{n}-D}$$

$$\sum_{n_i=}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{s}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}}$$

$$\sum_{k=1}^{} \sum_{=\boldsymbol{l_i}+\boldsymbol{n}-D} \sum_{j^{sa}=j_s+j_{sa}-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\cdot n_{} \quad 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + \cdots} \sum^{\boldsymbol{l_s} + j_{sa}} \right.
$$

$$
\sum^{n} \sum^{(n_i - j_s} \sum^{n_{is} + j_s - j^{sa}}
$$

$$
n_i \cdots (n_{is} = \boldsymbol{n} - j_s \cdots - j^{sa} + 1
$$

$$
\frac{(\cdots - n_{is} - 1)!}{(\cdots - 2)! \cdot (\cdots - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\ \sum_{(j_s=2)}\ \sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s}$ $1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\left.\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot\right.$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\left(\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{}^{\boldsymbol{n}+}\right.$$

$$\sum_{}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s}^{(}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{}$$

$$\frac{(n_i-}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\mathbb{k}\wedge j_s\geq s+1)}^{\ }\ \sum_{j^{sa}=j_s+j_{sa}}^{\ }$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=}^{(n_i-j_s+1)}\ \sum_{j_s+1)}^{\ }$$

$$\sum_{n_{ik}=n_{is}+j_s}^{\ }\ \sum_{j_{sa}^{ik}\ (n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2\cdot n_{is}+j_{sa}+n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$\boldsymbol{l_i}+j_{sa}-\boldsymbol{n} \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} -$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j$

$s \ge 3 \wedge \boldsymbol{s} =$) $\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\quad)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{}}^{\boldsymbol{l_{sa}}}{}_{\boldsymbol{l_s}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-}^{(n_i-j_s+1)}\quad\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{j^{sa}}$$

$$\frac{(\quad n_{is}\quad 1)!}{(j_s-\quad)!\cdot(n_i-\quad s+1)!}\cdot$$

$$\frac{(n_{is}-\quad-1)!}{(j^{sa}-j_s-\quad!\cdot(n_{is}+\quad s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+\quad-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{\quad_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

GÜLDÜNYA

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} \quad j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + \quad - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - \quad = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq \quad + j_{sa}^{ik} - \boldsymbol{n} \wedge \quad \leq D + s - \boldsymbol{n})$

$(\quad \geq \boldsymbol{n} < n \wedge \quad > 1 \wedge \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq \quad \leq j^{sa} - j_{sa} \quad \wedge$

$\quad + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \quad + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + \quad - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İso}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}}^{n_{is}-j^{sa}+1}
$$

$$
\frac{(n_i - 1)!}{(n_i - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_i + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_{sa} - \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

GÜLDÜNYA

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s \; \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{}}
$$

$$
\frac{(n_{i} \quad - 1)!}{(j_s - 2) \cdot (n_i - n_{is} \quad + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{s} \quad - 1)!}{(j^{sa} - j_{s} \quad \cdot (n_{is} + j_{s} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa}}{a} + j^{s} \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{s} \quad \boldsymbol{l_{sa}} - s)!}{(D \quad {}^{sa} - \boldsymbol{n} \quad \boldsymbol{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa}+2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-}^{(n_i-j_s+1)}\sum_{}^{+j_s-j^{sa}}$$

$$\frac{(\quad-n_{is}-1)!}{(j_s-2)!\cdot(\quad-n_{is}-j_s+\quad)!}\cdot$$

$$\frac{n_{is}}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-\quad-j^{sa})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}-j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\quad a-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D\quad j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

GÜLDÜNYA

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{=\boldsymbol{n}+}^{(\quad j_s+1)}$$

$$\sum_{n_{ik}=} \sum_{j_{sa}^{ik}(n_{sa}=}^{(\quad)}$$

$$\frac{\left(2 \cdot \quad + j_s + j_{sa} - n_{ik} - \quad a - s - j_{sa}^{s}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - \quad - j^{sa} - \quad - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j^{sa} + \quad - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$(\quad \geq \boldsymbol{n} < \quad \boldsymbol{l_s} > 1 \wedge \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq \quad \leq j^{sa} - j_{sa} \quad 1 \wedge$

$\quad + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D \quad j_{sa} \quad < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s}^{\text{İS}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{l_{sa}}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=}^{(n_i-j_s+1}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-} \sum_{(n_{sa}=n_{ik}+j_{sa}^{}-\mathbb{k})}^{(}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_{}+j_{sa}-n_{}-\right)!\cdot\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} \left(\sum_{k=1}^{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - j^{sa} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=}^{(n_i-j_s+1} \sum_{+\mathbb{k}-j_s+1)}^{}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}}^{(} \sum_{-\mathbb{k})}^{}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{\cdot\cdot} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{i} - \right) \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + \quad \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + \quad - s \wedge$

$\boldsymbol{l_{ik}} \quad {}_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \quad + j_{sa}^{ik} - \quad _{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\quad \leq D + \quad - \boldsymbol{n} \wedge$

$(D \geq \quad < n \wedge \quad \quad 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\quad \left\{j_{sa}^{s}, j_{sa}^{\quad}, \ldots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

GULDUNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_{sa}}-}{(\quad+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j^{sa}-s)!}-$$

$$\sum_{(j_s=j^{sa}-\quad+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot\quad+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot\quad+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s\,,j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j^{sa}} \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}
$$

$$
\frac{(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot
$$

$$
\frac{(n_i - n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$fz^{SO}_{\ ,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}^{n} \sum_{n_i=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{n_{is}+j_s-j^{sa}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\ -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-}\cdot$$

$$\frac{1}{(\boldsymbol{n}+}\cdot$$

$$\frac{(\boldsymbol{l_s}-}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l_i})!}{(D+j^{sa}+\boldsymbol{n}-\boldsymbol{l_i}-j}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_i} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \quad D + \boldsymbol{l_{sa}} \quad - \quad j_{sa} \wedge$

$(D \geq \quad \leq n \wedge I = \mathbb{k} \quad 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{s} \leq j \quad - 1 \wedge$

$\boldsymbol{s}: \{ \quad , \quad , \cdots, j_{sa}^{i} \} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \neq \quad) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=} \sum_{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + \cdots} \sum_{\boldsymbol{l_i} + j_{sa} - D - s}$$

$$\sum_{n_i=\boldsymbol{n}+} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\cdot n_{is} + j_s \cdots j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} \cdots 2 \cdot j_s \cdots_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \cdots \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \cdots j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}+1}^{n_{is}-j^{sa}}
$$

$$
\frac{(n_i - \quad - 1)!}{(n_i - \quad - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \quad n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (\quad + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j_s - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$fz^{S}{}_{j_s}{}^{2}{}_{sa} = \sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}^{s}-\quad-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j_{sa}^{sa}+s-\boldsymbol{l_i}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_s - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \quad + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + j_{s} - \boldsymbol{n} - j_{sa}^{ik}$

$(D \geq \quad < n \wedge I = \mathbb{k} \quad 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j \leq j_{sa} - \quad \wedge$

$\boldsymbol{s}: \{j_{sa} \quad j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \quad) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!(\boldsymbol{n}+j_{sa}-}+$$

$$\sum_{k=1}^{}\sum_{j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{}^{\boldsymbol{n}+j_{sa}-s}\sum_{}^{-j_{sa}^{ik}+1}$$

$$\sum_{n_i=}^{n}\sum_{n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜMYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}$ $+ j_{sa} - s =$ $\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{i}}$ j_{sa} $j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}$ $j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{n_{is}+j_s-j^{sa}}\sum_{n_{sa}}^{-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}-n_{sa}-1)!}{(j^{sa}-\quad)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}$ $+ j_{sa} - s =$ $\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s}$ $_{sa}$ $1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 /$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}$ $_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\boldsymbol{n}-j_s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_s-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}$ $+ j_{sa} - s =$ $\wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s}$ $- 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{n}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}-j_s+1}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}+j_s-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{n}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}$ $+ j_{sa} - s =$ $\wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s}$ $1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$fz S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+}$$

$$\sum_{n_i=\boldsymbol{n}}^{}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_{s}+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_{s}+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_{s})!\ (j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\ (\boldsymbol{n}+j_{sa}-j^{sa}}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = \mathbb{k} \wedge$

$j_{sa} \leq j^{sa} - 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$2 \wedge \boldsymbol{n} \leq s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{\imath}SO} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}$$

GULDUNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{(l_{ik}^{sa}=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_{s}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s\right.}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\right.}\cdot$$

$$\frac{1}{(\boldsymbol{n}+$$

$$\frac{(\boldsymbol{l_s}$$

$$\frac{(D$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l}\right.$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{$$

$$\boldsymbol{l}$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})$$

$$(D \geq$$

$$1 \leq j_s \leq j^{$$

$$j_s +$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$$

$$\boldsymbol{l_i}$$

$$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$$

$$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

GUDUMYA

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s+1)!}
$$

$$
\frac{(n_{is} - n_{sa} - 1)}{(j^{sa}-j_s-1)! \cdot (+ j_s - n_{sa} -)!} \cdot
$$

$$
\frac{(n_{sa} -)!}{(n_{sa} - j^{sa} - 1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{ - j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - - j_{sa}+1)!}{(j_s + - j^{sa} - \boldsymbol{l} \cdot (j^{sa}-j_s-j_{sa}+1)!} \cdot
$$

$$
\frac{(- j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + a - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} -$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) =$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s}^{(n_i-j_s+1)} \sum_{=n_i}^{+j_s-j^{sa}}{}_{sa}+1$$

$$\frac{(n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{a} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\{s, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

GULDUNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \left(n_{sa}=n_{ik}+\right.-j_{sa}-\mathbb{k}\Big)$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\right.-j_{sa}^{ik}-\Big)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\right.-j_{sa}^{s}\Big)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l} \quad D-\boldsymbol{n}+$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j \quad \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{i}}-j_{sa}^{ik}+ \quad \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} < D+\boldsymbol{l_{ik}}+j \quad \boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \quad n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D \quad \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_s}} \sum_{j^{sa}=\boldsymbol{l_{sa}}}^{\boldsymbol{n}+j_{sa}-D}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j_s - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜMYA

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \quad j_{sa} + 1)!}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \quad)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} \quad s)!} -$$

$$\sum_{k=1}^{(\ )} (j_s \quad j_{sa} \quad \sum^{\boldsymbol{l_s}+j_{sa}-1} \quad l_i \quad j_{sa}-D-s$$

$$\sum_{n_i=\boldsymbol{n}+} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n} \quad (n_i \quad j_s+1)$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s \quad j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} \quad 2 \cdot j_s \quad j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \quad j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s}^{\dot{I}S} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{is}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-}$$

$$\frac{(n_i-n_{is}-}{(j_s-2)!\cdot(}\cdot$$

$$\frac{(n_{is}-}{(j^{sa}-j_s-1)!\cdot(n_{is}}\cdot$$

$$\frac{-1)!}{(n_{sa}+}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-}{+\boldsymbol{l_{sa}}}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_{ik}}+j_{sa}^{ik}-\boldsymbol{n}-\boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 1 \wedge$

$j_{sa} \leq j^{sa} - 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$= s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{i}SO} = \sum_{k=1}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}$$

GULDUNYA

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{(j_s=\boldsymbol{l_s})}^{(\boldsymbol{l_{sa}}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \left(n_{sa}=n_{ik}+\right.-j_{sa}-\mathbb{k}\Big)$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\right.-n_{ik}-\Big)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\right.-j_{sa}^{s}\Big)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq -\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ > \boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_i} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}-j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \leq n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \wedge j_{sa}^{s} \leq j - 1 \wedge$

$\boldsymbol{s}: \{ , , \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} \neq) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}\right.$$

GÜLDÜNYA

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}-l_{ik}+\boldsymbol{n}+j_s}^{\boldsymbol{n}+j_{sa}-s} \sum_{D-j_{sa}^{ik}}$$

$$\sum_{n_i} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(n_i - \quad - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{\ } \sum_{\ }^{j_{sa}} \right.
$$

$$
\sum_{n_i}^{(n_i - j^{sa}+1)} \sum_{\ }^{(j^{sa}+1)}
$$

$$
\frac{(n_i \ n_{sa} - 1)!}{(j^{sa} \ 2)! \cdot (n_i \ n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{\ } \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{sa} = \boldsymbol{n} - j^{sa}+1)}^{(n_i - j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\ \boldsymbol{n}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq$ $\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-$

$\boldsymbol{l_{ik}}-$ $+1>\boldsymbol{l_s}\wedge$ $+j_{sa}^{ik}-j_{sa}=$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-$ $)\vee$

$(D\geq$ $<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1$

j_s+ $-1\leq j^{sa}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+$ $>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

GÜLDÜNYA

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{1} \sum_{(j_s=1)} \sum_{=j_{sa}} \right.
$$

$$
\sum_{n_i=} \sum_{=\boldsymbol{n}-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{s}}{{}^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{s} - 1)!}{(n_{sa} + {}^{a} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D \quad j_{sa} - \boldsymbol{l_{sa}} - s)!}{({}^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i - j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\ \boldsymbol{n}-s)!}$$

$$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq \boldsymbol{n}+$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s$$

$$\boldsymbol{l_{ik}}-j_{sa}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=$$

$$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}^{ik}-\boldsymbol{n}-1)\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$$

GÜLDÜNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{1} \sum_{(j_s=1)}^{(} \sum_{=j_{sa}} \right.
$$

$$
\sum_{n_i=}^{n} \sum_{=\boldsymbol{n}-j^{sa}+1)}^{(n_i - 1)}
$$

$$
\frac{(n_i - n_s}{{}^{sa} - 2)! \cdot (n_i - n_{sa} - j^{a} + 1)!} \cdot
$$

$$
\frac{(n_{s} - 1)!}{(n_{sa} + {}^{a} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D \quad j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\quad {}_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i - j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i}}{(D+s-\boldsymbol{n}\ )!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-\ >\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-\ \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 1\wedge\boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+\mathbb{k}}$$

$$\frac{(2\cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2)!}{(2\cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2 \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i}}{(D + s - \boldsymbol{n} \quad)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - \quad > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - \quad \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \quad \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{n}\ldots)!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}\ldots=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-\ldots$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-\ldots\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\ldots\boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_i}$$

$$\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + \right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa} \right)! \cdot (- s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \quad - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - \quad \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} \quad j_{sa} - s = \quad \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \quad + j_{sa} - \boldsymbol{n} - \quad) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D \quad \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j_s + j_{sa} - 1 \quad ^{sa} \leq \boldsymbol{n} \quad _{sa} - s \wedge$

$\boldsymbol{l_{ik}} \quad j_{sa}^{ik} + 1 > \boldsymbol{l_s} \quad _{sa} + j_{sa}^{ik} \quad = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} \quad \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D \quad \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \quad = 1 \quad _s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \quad j_s \leq \quad ^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \quad \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

GÜLDÜNYA

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}}^{(n_i-j^{sa}+1} \quad \sum_{-j^{sa}+1)}
$$

$$
\frac{(n_i - \quad - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} \quad + 1)!} \cdot
$$

$$
\frac{(n_{s} - 1)!}{(\quad j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\quad)!}{(\quad - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + \quad - \boldsymbol{l_{sa}} \quad)!}{(D \quad j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}} \quad) \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\quad \mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(\quad n_{\quad} + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2)!}{\quad \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$((\quad \geq \boldsymbol{n} \quad m \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

GULDUNYA

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}}^{(n_i - j^{sa}+1)} \sum_{-j^{sa}+1)}
$$

$$
\frac{(n_i - \quad - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} \quad + 1)!} \cdot
$$

$$
\frac{(n_{s} - 1)!}{(\boldsymbol{n} - j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} - j^{sa})!}
$$

$$
\frac{(\boldsymbol{l_{sa}} \quad)!}{(\boldsymbol{l_{s}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + \quad - \boldsymbol{l_{sa}} \quad)!}{(D \quad j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}} \quad) \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\quad \mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(\quad n_{\quad} - j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2)!}{\quad \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$((\quad \geq \boldsymbol{n} \quad m \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GULDUNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \quad + j_{sa} - s = \quad \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l} \quad j_{sa} - \boldsymbol{n} \quad 1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \quad j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) =$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}_{sa}} = \sum_{k=1}^{} \sum_{(j_s=1)}^{( )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{}}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{+j_{sa}^{ik}-j_{sa}-\mathbb{k}}^{}$$

$$\frac{(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} \quad s - \mathbb{k} + 2)!}{(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - {}^{ik} - \mathbb{k} - j_{sa} \quad 2)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D \quad s - \boldsymbol{n} - \boldsymbol{l_i}) \quad (\boldsymbol{n} - s)!}{}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{s} \quad s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{s} \quad j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I \quad \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa} \quad \wedge j_{sa}^{s} = \quad - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots j_{} \} \wedge$

$s \geq \quad \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1)$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)$$

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{(j^{sa}-j_{sa}}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}}^{\boldsymbol{n}+}\right.$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}}\sum$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{sa}-n_{sa}-1)!}{(j^{sa}-(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{(\boldsymbol{n}-s+1)}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\right)\cdot$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-1}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}+n_{ik}+j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ $D \geq \boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j^{ik}_{sa}}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - j^{sa} - \boldsymbol{n} + \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j^{ik}_{sa}}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D -}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{}^{(\ \ j_s + 1)} \sum_{}^{\boldsymbol{n} +} \ (j_s + 1)$$

$$\sum_{n_{ik} =}^{} \sum_{}^{(\ \ )} \sum_{}^{j_{sa}^{ik} (n_{sa} =} \ j_{sa}^{ik} - j_{sa} - \mathbb{k})$$

$$\frac{(2 \cdot \quad + j_s + j \quad - n_{ik} - \quad a - s - j_{sa} \quad)!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - \quad - j^{sa} \quad - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j^{sa} + \quad - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \quad \boldsymbol{n} < n \wedge \quad > D - \quad + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j_s + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \boldsymbol{l_s} \wedge \boldsymbol{l} \quad - j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \quad \boldsymbol{n} \quad n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(\boldsymbol{l_{sa}} + \boldsymbol{l_{sa}} - j^{sa} - 1)! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - j^{sa} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j^{sa}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\wedge$

$\mathbb{k}_z: z \quad 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\left.\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot\right.$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+\mathbb{k}}^{n_{is}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}+j_s-1)!}{(j_s-1)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

GÜLDÜNYA

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+$ $-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq$ $\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+$ $-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge$ $+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big)\wedge$

$(D\geq\boldsymbol{n}<$ $\wedge I=\mathbb{k}\geq$ $\wedge$

$j_{sa}\leq$ $-1\wedge j_{sa}$ $-j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{s}$ $\cdots,j_{sa}^{i}\}\wedge$

$=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\boldsymbol{l_{sa}}-D-j_{sa})} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}\cdot$$

$$\frac{(\quad)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}+\quad)!}{(\quad+\boldsymbol{l}_{sa}-j^{sa}-\quad)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(\quad+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{1\ (j_s=}^{(\quad-s+1)}\ \sum_{+\boldsymbol{n}-D-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} - D}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\quad j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(\quad^{a} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\ldots+j_{sa}-s>\ldots\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-\ldots\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\ldots\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z.z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{n}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\ \ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+}^{}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(\ \ )}$$

$$\sum_{n_{is}+j_{sa}^{s}-j_{sa}}^{(\ \ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{sa} - j_{sa} + 1$

$j_s + \quad - 1 \leq j \quad \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\quad \geq \boldsymbol{n} \quad \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s\,,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s-2)! \cdot (n_i - n_{is} \quad j_s+1)!}
$$

$$
\frac{(n_{is} - n_{sa} -)}{(j^{sa}-j_s-1)! \cdot (\quad + j_s - n_{sa} \quad ^{sa})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{(n_{sa} \quad j^{s} \quad -1) \quad (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{ \quad -j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D+j_{sa} \quad -\boldsymbol{l_{sa}}-s)!}{(D+j \quad -\boldsymbol{n}-\boldsymbol{l_{sa}}) \quad (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \ \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \ \mathbb{k} - j^s_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^s_{sa}-s-j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

GÜLDÜNYA

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{\mathbb{k}z}S_{j_s,j^{sa}}^{\mathbb{k}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{(\boldsymbol{n}-s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{(\boldsymbol{n}-s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\ +j_{sa}-s>\ \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}\ \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=}^{}{}_{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+}$$

$$\sum_{n_{}=n_{is}+j^{s}_{sa}-}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j^{ik}_{sa}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j^{ik}_{sa}-\mathbb{k}-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{} - j_{sa} + 1$

$j_s + \quad - 1 \leq j_{} - \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\quad > \boldsymbol{n} \quad \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - \quad)!}{(j_s-2)! \cdot (n_i - n_{is} \quad j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{sa} - \quad)!}{(j^{sa}-j_s-1)! \cdot (\quad + j_s - n_{sa} - {}^{sa})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{(n_{sa} \quad - 1) \quad (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{\quad - j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}}) \quad (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^s_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

GÜLDÜNYA

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_{sa}}^{\dot{I}SO} = \sum_{k=1}^{(} \sum_{(j_s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_i} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa}!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_s-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_{sa}}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I \geq \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}-1 \wedge j_{sa}^{s}=\boldsymbol{n}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}\} \wedge$

$s \geq \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}\ \ 2)!}{(\boldsymbol{l}-j_s)!\ \ _s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\ \ +j_{sa}-j^{sa}\ \ )!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\ \ +j_{sa}-s=\ \ _a\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-\ \ \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{\ \ a}^{i}\}\wedge$

$s\geq 3\ \ \boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z.z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(j^{sa}-j_{sa}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s}\sum_{j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ $\geq D$ $\boldsymbol{n}+1 \wedge$

2 $j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-$ $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s\,,j^{sa}} = \sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} \quad + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s \quad (n_{is} + j_s \quad n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} \quad}{+ j^{sa} \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} \quad - j_{sa} + 1)!}{(j_s \quad \boldsymbol{l_{sa}} - j \quad \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}$$

$$\sum_{n_{is}+j_{sa}^{s}-j_{sa}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\big((D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>-\boldsymbol{n}+1\wedge$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}=\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$>\boldsymbol{n}\wedge n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\wedge$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - \mathbb{k} + 1)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_{sa} - \mathbb{k}}
$$

$$
\frac{(n_i \qquad !}{(j_s - 1) \cdot (n_i - n_{is} \qquad j_s + 1)!} \cdot
$$

$$
\frac{n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1) \qquad (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

GÜLDÜNYA

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} \quad j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} \quad _{sa} - s = \quad _{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} -$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + \quad - j_{sa} > \boldsymbol{l_{ik}} \wedge \quad + j_{sa} - s > \boldsymbol{l_{sa}}) \big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq \quad _{sa} - 1 \wedge j_{sa}^{s} = \quad - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots \quad \} \wedge$

$s \geq \quad \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \quad$

$$_{fz}S_{j_s, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

GULDUNYA

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa}^{i}=1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z : z=1) \Rightarrow$

GULDUNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(\quad-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\quad-2)!}{(\boldsymbol{l_s}-j_s-2)!}\cdot
$$

$$
\frac{(\quad-\boldsymbol{l_s}-j_s+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{l_{sa}}-D)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\;-
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\quad)} \sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}}
$$

$$
\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j^{ik}_{sa}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j^{ik}_{sa}-\mathbb{k}-j^s_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa}$ [illegible] $\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik}$ [illegible] $\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$ [illegible]

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_s = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s} \ldots, j_s \ldots, j_{sa}^{i}\}$ [illegible]

$s \geq 3 \wedge \boldsymbol{s} = s + \ldots \wedge$

$\mathbb{k}_z: z \ldots 1) \Rightarrow$

$$fz S_{j_s,j^{sa}}^{\mathrm{i}SO} = \sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GULDUNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{j^{sa}+1}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$ $+j_{sa}-s=$ $) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+$ $\wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-$ $\wedge$

$\boldsymbol{l_{ik}}-$ $+1 > \boldsymbol{l_s} \wedge$ $+j_{sa}^{ik}-j_{sa}=$ $\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge$ $> D-\boldsymbol{n}+1 \wedge$

$2 \leq$ $\leq j^{sa}-j_{sa}+$ $\wedge$

$j_s+j_{sa}-$ $\leq j^{sa} \leq \boldsymbol{n}$ $j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-$ $+1=$ $\boldsymbol{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} <$ $\wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$\leq j_s <$ $-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa} - j_s + 1)} \sum_{=\boldsymbol{l_s} + \boldsymbol{n} - D)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j^{sa} - \mathbb{k}} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+}^{(\ )} \frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - \right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} -)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + - \boldsymbol{n} - \boldsymbol{l_i} - j)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} +$ $- s >$ $) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\quad)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{}\sum_{j^{sa}=\quad+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{j_{sa}-\mathbb{k}}$$

$$\frac{(\quad\quad-1)!}{(j_s-\quad)!\cdot(n_i-\quad+1)!}\cdot$$

$$\frac{(n_{is}-\quad-1)!}{(j^{sa}-j_s-\quad)!\cdot(n_{is}+\quad-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+\quad-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{}$$

GÜLDÜNYA

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(j^{sa}-j_{sa})}\sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=j_{sa}+2}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)}{(j_s-2)!\cdot(n_i-\quad+1)!}\cdot$$

$$\frac{(n_{is}-\quad-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+\quad-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\quad-j_{sa}+1)!}{\quad+\boldsymbol{l_{sa}}\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+\quad-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa}+1}^{}$$

$$\sum_{n_i = \boldsymbol{n}+}^{n} \sum_{\boldsymbol{n}+}^{(\ \ j_s+1)}$$

$$\sum_{n_{ik}=}^{(\ \ )} \sum_{j_{sa}}^{j_{sa}^{ik} - j_{sa} - \mathbb{k})}$$

$$\frac{(2 \cdot \quad + j_s + j_{sa} - n_{ik} - \quad a - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - \quad - j^{sa} - \quad - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad ^{sa} + \quad - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \quad \boldsymbol{n} < n \wedge \quad > 1 \wedge \boldsymbol{l_{ik}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_{sa} \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j_s + j_{sa} \quad 1 \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \boldsymbol{l} \wedge \boldsymbol{l} \quad + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \quad \boldsymbol{n} \quad n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + \boldsymbol{n} - \boldsymbol{l_{sa}} - 1)!}{(D - j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \right) \cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{s}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-\boldsymbol{n}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-\boldsymbol{n}-j_{sa}^{s}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-$ $+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+$ $\wedge$

$j_s+j_{sa}-1\leq$ $\leq\boldsymbol{n}+$ $-s\wedge$

$\boldsymbol{l_{ik}}-$ $^{ik}+1=\boldsymbol{l_s}\wedge$ $+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-$ $\leq\boldsymbol{l_{sa}}\leq D-$ $\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq$ $<n\wedge$ $\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-$ $\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\{j_s,$ $_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{\imath}SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\quad-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(\quad-2)!}\cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_s+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D-j^{sa}-\boldsymbol{l}\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{\cdots j^{sa}}^{\text{iso}} = \left(\sum_{(j_s=1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{(\quad+\boldsymbol{n}-D-j_{sa}+1)}^{(\quad-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+}^{(\ )} {}_{-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s^{\ \ \ \ \ \ ik}-)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}\ \boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}\ \ \ \ \ \

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(j^{sa}-j_s)}\ \sum_{(j_s=2)}^{\boldsymbol{l_s}+j_{sa}-1}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + \quad)!}{(\quad + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} \quad - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=\quad}^{(\quad)} \sum_{(\quad - j_{sa}+1)}^{\boldsymbol{l}_{\boldsymbol{s}}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l}_{\boldsymbol{i}}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} - 2)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_{\boldsymbol{i}})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{i}} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > 1 \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$f_{j_s, j^{sa}}^{\text{İSA}} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{j_{sa}-s}$$

$$\sum_{}^{n} \sum_{=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}+\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa}+1)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\mathbb{k}}_{j_s,j} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{j_{sa}-1}
$$

$$
\sum_{n_i=}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}\cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\cdot}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}-\quad)!}{(\quad+\boldsymbol{l}_{sa}-j^{sa}-\boldsymbol{l}_s)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l}_{sa})!\cdot(\quad-j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\mathbb{k}=}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l}_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{0} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 1 \wedge$

$j_{sa} \leq j^{sa} - 1 \wedge j_{sa} - j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa} \cdots, j_{sa}^{i}\} \wedge$

$\mathbb{k} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}\cdot$$

$$\frac{(\quad)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}-\quad)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le \boldsymbol{n} + j_{sa} - \boldsymbol{n}) \big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 1 \wedge$

$j_{sa} \ge j_{sa} - 1 \wedge j_{sa} - j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa} \cdots, j_{sa}^{i}\} \wedge$

$\boldsymbol{n} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right. $$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} - 1)!}{(\quad + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{\quad}^{\quad} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l}_{\boldsymbol{s}}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} - 2)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_{\boldsymbol{i}})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{i}} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > 1 \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le \boldsymbol{n} + j_{sa} - \boldsymbol{n}) \big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 1 \wedge$

$j_{sa} \ge 1 \wedge j_{sa} - j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa} \cdots, j_{sa}^{i}\} \wedge$

$s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{\boldsymbol{k}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{\boldsymbol{k}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}+\mathbb{k}-j_{sa}^{s}\right)}\cdot$$

$$\frac{1}{(\boldsymbol{n}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1)\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=n}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\ -j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - \ ^{ik} - \ \right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \ ^{s}_{sa}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + \ - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ )!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \ \boldsymbol{l_i})!}{(D + j^{sa} + \ - \boldsymbol{n} - \boldsymbol{l_i} - j\ )! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l}\ \leq D - \boldsymbol{n} +$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{\ } \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{i}} - j_{sa}^{ik} + \ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} < D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \ < n \wedge \boldsymbol{l_s} > 1 \wedge \ \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{\ } - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j_{\dots}^{isO}{}_{sa} = \left(\sum_{k=\dots}^{\dots} \sum_{\dots \boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{j_s=1}^{(\boldsymbol{l_s})} \sum_{(j^{sa}=\boldsymbol{n}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+}^{(\ )}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-}$$

$$\frac{1}{(\boldsymbol{n}+}$$

$$\frac{(\boldsymbol{l_s}}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D}{(D+j^{sa}+}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ $= \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_i} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq$ $< n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}$ $\wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{$ $j_{sa}, \cdots, j_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} =$ $+ \mathbb{k} \wedge$

$) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=j_{sa}+1}^{}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{sa}} -}{(\quad + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j^{sa} - s)!} -$$

$$\sum_{(j_s=j^{sa}-\quad+1)}^{(\quad)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(2 \cdot \quad + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k})!}{(2 \cdot \quad + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^s_{sa})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}
$$

$$
\sum_{n_i = \boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i = \boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

GÜLDÜNYA

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} \quad j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} \quad _{sa} - s \quad \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z \quad 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ \ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa} + 1}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j^{sa} - \mathbb{k}} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=j_{sa}+}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{ik}^{(\ )}\sum_{(n_{sa}=}^{j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}+\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-\ -j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge\ >1\wedge\ \leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}\ -1\wedge$

$j_s+j_{sa}\ -1\leq j^{sa}\leq \boldsymbol{n}\ -j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\ \boldsymbol{l_s}\wedge\boldsymbol{l_i}-j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D\ \ <\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<\ \wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\ \ -1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} \sum_{j^{sa}=j_{sa}+1}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(\quad - 1)!}{(n_{\quad} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{s}} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s - 2)!} \cdot
$$

$$
\frac{(D - j_{sa} - \boldsymbol{l_s} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz^{iSO}_{;sa} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_i}^{(n_i-j_s} \sum_{\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}$ [illegible] $+ j_{sa} - s >$ [illegible] $\wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}$: [illegible] $\cdots, j_{sa}^{i})$

$s \geq 3 \wedge \boldsymbol{s} = s$ [illegible] $\wedge$

$\mathbb{k}_z$: [illegible] $1) \Rightarrow$

$$fzS_{j_s,j^{sa}}^{\mathrm{i}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

GULDUNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{(j_s=2)}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}$$

$$\sum_{n_{}=n_{is}+j^{s}_{sa}-}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j^{ik}_{sa}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j^{ik}_{sa}-\mathbb{k}-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{} - j_{sa} + 1$

$j_s + \quad - 1 \leq j_{} - \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\quad < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_{i}-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-j_{sa}+1)!}{(\boldsymbol{l_{sa}}-j_{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+}^{-D-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(\ )}$$

$$\sum_{n_{i}+j_{sa}^{s}-j_{}}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_{s}-j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{} - j_{sa}+1$

$j_s + \quad -1 \leq j^{} = \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_{i} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa} + 1)!}{(\boldsymbol{l_{sa}} - j_{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=}^{+\boldsymbol{n}-D}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(\ )}$$

$$\sum_{n_{ik}+j_{sa}^{s}-j_{sa}}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s-j_{sa}-n_{ik}-j_{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j \quad -j_{sa}+1$

$j_s + \quad -1 \leq j \quad = \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$\quad \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa} + 1)!}{(\boldsymbol{l_{sa}} - j_{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\ -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n}\sum_{}^{(}$$

$$\sum_{n_{ik}=}\sum_{}^{(\ )}$$

$$\frac{(2\cdot\ +j_s+j_{sa}-n_{ik}-\ -s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-\ -j^{sa}-\ -j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\ge \boldsymbol{n}<n\wedge\ >1\wedge\boldsymbol{l_i}<D-\boldsymbol{n}+1\wedge$

$1\le j_s\le j^{sa}-j_{sa}-1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\le\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D\ge j_{sa}^{ik}\ <\boldsymbol{l_{ik}}\le D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\ge\boldsymbol{n}<\ \wedge I=\mathbb{k}\ge 0\wedge$

$j_{sa}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\ge 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{\cdot}-j^{sa}-s_{\cdot}-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_{\cdot}+j_{sa}-n_{i}\right)\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\big)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\geq 1\wedge\boldsymbol{l_s}\leq D-$

$1\leq j_s\leq j^{sa}-j_{sa}+$

$j_s+j_{sa}-1\leq$

$\boldsymbol{l_{ik}}$

$D+j_{sa}^{ik}-$

$(D\geq$

$j_{sa}\leq j_{sa}^{i}$

$\{j_{sa}^{s},\mathbb{k}$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\boldsymbol{l_s})}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{}\sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}}^{(}\sum_{(n_{sa}=n_{ik}+j_{sa}}^{}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-\boldsymbol{n}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa}-j_{sa}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-} \sum_{=j_{sa}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - \quad - 1)!}{(\quad - 2)! \cdot (n_i - \quad - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \quad n_{sa} - 1)!}{(j^{sa} - j_s \quad 1)! \cdot (n \quad + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j \quad - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s \quad \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}$$

$$\sum_{n_{ik}=n_{is}+j_s}\sum_{j_{sa}^{ik}}^{(\ \ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_{sa}+n_{i}\right)!}{2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$((D \geq \boldsymbol{n} < n$ $\boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-$ $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fzS_{j_s, j^{sa}}^{\text{İSO}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{\boldsymbol{l_{sa}}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(i \quad 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(^{a} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$ $+j_{sa}-s=$ $\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{i}}-j_{sa}-$ $j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq$ $-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{s}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq$ $+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=$ $\wedge\boldsymbol{l_{sa}}+j_{s}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+j_{s}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq$ $+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\big)\wedge$

$(D\geq\boldsymbol{n}<$ $=\mathbb{k}\geq$ $\wedge$

$j_{sa}-j_{s}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\mathbb{k},j_{s}\cdots,j_{sa}^{i}\}\wedge$

$s=$ $=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{(j_s=2)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=\boldsymbol{n}-D-j_{sa}+1}^{(l_i^{ik}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_{sa}+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{\ } \sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}-\mathbb{k})}^{\ } \frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-1)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}+j_{sa}^{s})!}\cdot \frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot \frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+j_{sa} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+j_{sa} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=} \sum_{(j_s=2)} \sum_{} \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(n_{is} + j_s - j^{sa} - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{s}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}}$$

$$\sum_{k=1}^{1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}$$

$$\frac{\left(2 \cdot n_{is} - j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

GÜLDÜNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - \boldsymbol{l_{sa}}$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{ISO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+}^{j_{sa}-\mathbb{k}}$$

$$\frac{(n_{is}-1)!}{(j_s-)!\cdot(n_i-j_s+1)!}\cdot$$

$$\frac{(n_{is}-1)!}{(j^{sa}-j_s-)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

GÜLDÜNYA

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s -)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{s}-\mathbb{k})}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - \boldsymbol{n} - j_{sa}^{s} - \mathbb{k} - j_{sa}^{s}\right)!}$$

$$\frac{}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \quad \boldsymbol{l_i})!}{(D + j^{sa} \quad - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D \quad \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + \quad \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + \quad - s \wedge$

$\boldsymbol{l_{ik}} \quad {}_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \quad + j_{sa}^{ik} - \quad {}_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} \quad \leq \boldsymbol{l_{sa}} \leq D \quad \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j \quad - \boldsymbol{n} < \quad + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_s - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=} \sum_{(j_s} \sum_{} \sum_{(} \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_{} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{s}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}}$$

$$\sum_{k=1}^{1} \left(\sum_{j_{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} - j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{i} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

GÜLDÜNYA

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}$$

$$\frac{\left(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2\right)!}{\left(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2\right)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i}$$

$$(D+s-\boldsymbol{n}$$

$$\boldsymbol{n}-s)!$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z.z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\left.\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\right)\cdot$$

GULDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_s}^{(n_i-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{sa}-1)}{(j^{sa}-2)!\cdot(n_i$$

$$\frac{(\ -1)!}{(n_{\ }+j^{sa}-\boldsymbol{n}$$

$$\frac{(\ \ \ )!}{(\ -j^{sa})!\ (\ -j_{sa})!}\cdot$$

$$\frac{(D+\ \ -\boldsymbol{l_{sa}}\ \ s)!}{(D\ \ j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\ (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\ \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{2\cdot n_i\ \ _{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+\ \ -n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$((\ \ \geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{\ }-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa} \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \wedge$

$\mathbb{k}_z: z \quad 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_s}^{(n_i-j^{sa}-\mathbb{k}} \sum_{\boldsymbol{n}-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)}{(j^{sa} - 2)! \cdot (n_i - \quad - j^{sa} + 1)!} \cdot$$

$$\frac{(\quad - 1)!}{(n_{\quad} + j^{sa} - \boldsymbol{n} \quad 1)! \cdot (\boldsymbol{n} - j^{sa}} \cdot$$

$$\frac{(\quad)!}{(\quad - j^{sa})! \quad - j_{sa})!} \cdot$$

$$\frac{(D + \quad - \boldsymbol{l_{sa}} \quad s)!}{(D \quad j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}} \quad (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{2 \cdot n_i \quad sa - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2)!}{(2 \cdot n_i + \quad - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((\geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l}$ $j_{sa} - \boldsymbol{n}$ $1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j$ $= j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}$ $\cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s +$ $\wedge$

$\mathbb{k}_z: z$ $1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \right.
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{sa}-1)}{(j^{sa}-2)!\cdot(n_i-\quad-j^{sa}+1)!}\cdot$$

$$\frac{(\quad-1)!}{(n_{\quad}+j^{sa}-\boldsymbol{n}\quad1)!\cdot(\boldsymbol{n}-j^{sa}\quad}\cdot$$

$$\frac{(\quad)!}{(\quad-j^{sa})!\quad-j_{sa})!}\cdot$$

$$\frac{(D+\quad-\boldsymbol{l_{sa}}\quad s)!}{(D\quad j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\quad(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{2\cdot n_i\quad_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+\quad-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\quad\boldsymbol{n}\quad\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{s}\quad-j_{sa}+1\wedge$

$j_s\quad j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{\boldsymbol{n_i}=\boldsymbol{n}+\mathbb{k}\,(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j_{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)!\,(n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - 2 - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{\boldsymbol{n_i}=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2\right)!}{\left(n_i + n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$< j_{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(} \sum_{(j_s=1)}^{} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i}
$$

$$
\frac{(n_i}{(j^{sa}-2)\cdot(n_i-n_{sa}^{}-j^{sa}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+s-j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} -
$$

$$
\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}
$$

$\boldsymbol{n} \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

GÜLDÜNYA

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=\ \ \ j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}}^{\boldsymbol{n}+j_{sa}} \sum_{\ \ \ \

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, \} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = \quad + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j^{sa}-\mathbb{k}+1)} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{}}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{+j_{sa}^{ik}-j_{sa}-\mathbb{k}}^{}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}-2)!\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-s-\boldsymbol{n}-\boldsymbol{l_i})!}{(D-s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I \geq \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa} - \mathbb{k} \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots j_{sa}\} \wedge$

$s \geq j_{sa} \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1)$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=}\sum_{^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{s}-j^{sa}_{sa}-j^{ik}_{sa}+1)}^{(\ )}\sum_{n_{ik}+j^{ik}_{sa}-j_{sa}-}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j_{sa}-\mathbb{k}-2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\cdots-j^{ik}_{sa}-\cdots-j^{s}_{sa}+2)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-$$

$$\boldsymbol{l_{ik}}-$$

$$D$$

$$D+$$

$$(D\geq\boldsymbol{n}$$

$$1\leq j_s\leq j^{sa}$$

$$j_s+j_{sa}-$$

$$\boldsymbol{l_{ik}}-j^{ik}_{sa}$$

$$D+j^{ik}_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa})\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

GULDUNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} \sum_{k=1}^{(\quad)} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\quad)} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\quad)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$c^{iSO}_{j_s, j^{sa}} \left(\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{\quad}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s-\quad s-2)!}\cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_{\quad}+1)!}{+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D-j^{sa}-\boldsymbol{l}\quad(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz S_{j_s}^{j^{sa}}{}_{sa} = \left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}}^{(\boldsymbol{n}-s} \sum_{-D-j_{sa}+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{j_s=1}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+}^{(\ )}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\quad -\quad +\quad)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}+\quad \boldsymbol{n}-j_{sa}^{ik}-\quad -j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\quad -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\quad)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\quad \boldsymbol{l_i})!}{(D+j^{sa}+\quad -\boldsymbol{n}-\boldsymbol{l_i}-j\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+\quad \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad > \boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_i}\quad \wedge$

$(D \geq \boldsymbol{n} < n \wedge l\quad \mathbb{k} > 0 \wedge$

$j_{sa} \leq j\quad -1 \wedge j_{sa}^{ik}=j\quad -1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}\quad a, \cdots, j_{sa}^{i}\}\quad \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq \quad = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\text{iSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=} \sum_{} \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \right.$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}$ $\wedge j_{sa}^{s} \leq j_{sa}^{ik}-$ $\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\ldots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s}$ $,j_{sa}^{ik},\mathbb{k},j_{s}$ $\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{ISO}}=\left(\sum_{k=1}^{}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\left.\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\right)\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\left(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\left.\sum_{n_i=}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\right)$$

$$\frac{(n_i-\quad)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-1}^{}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}+n_{ik}+j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{=j^{sa}-j_{sa}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\cdot} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad \boldsymbol{l}_{\cdot} - j_{sa} + 1)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \boldsymbol{l}_s)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} \quad - j^{sa} - s)!} \right) -$$

$$\sum_{k=(i-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge\right.$$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j^{s} < j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee$ [illegible] $(j_{sa}^{s}, \cdots, j_{sa}^{ik}$ [illegible] $, \cdots, j_{sa}$ [illegible]

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$j_s, j^{sa}{}^{SO} = \left(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\left. \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \right.$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}^{(n_i-j_s+1)}\sum_{=\boldsymbol{n}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=}^{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}$$

$$\sum_{n_{i}+j_{sa}^{s}-j_{}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_{s}-j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{} - j_{sa} + 1 \wedge$

$j_s + \quad - 1 \leq j^{} = \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$> n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{\imath}so}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j^{sa} - \mathbb{k}} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} +}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s - 2)! \cdot (n_i - n_{is} \quad j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{s} - \mathbb{k} -)}{(j^{sa} - j_s - 1)! \cdot (n_{is} + - n_{sa} - j^{s} \quad \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \quad 1)!}{(n_{sa} \quad j^{s} \quad 1) \quad (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{\quad - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{s} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}}) \quad (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{\quad)} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{n} \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{\quad)} \sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}}^{(\ )} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \ \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \ \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

GÜLDÜNYA

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz\,S_{i\ldots,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\quad)} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j_s - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}-1+j_{sa}-s>0 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\ldots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\ldots,j_{sa}^{ik},\mathbb{k},j_{s}\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\ \sum^{(\ )}_{(j_s=j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\ \ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+}^{}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(\ \ )}$$

$$\sum_{n_{is}+j_{sa}^{s}-j_{s}}^{(\ \ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{sa} - j_{sa} + 1$

$j_s + \quad - 1 \leq j \quad \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\quad > \boldsymbol{n} \quad \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - \quad)!}{(j_s - 2)! \cdot (n_i - n_{is} \quad j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{s} - \mathbb{k} - \quad)}{(j^{sa} - j_s - 1)! \cdot (n_{is} + \quad - n_{sa} - j^{sa} \quad \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \quad 1)!}{(n_{sa} \quad j^{sa} \quad 1) \quad (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}}) \quad (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

GÜLDÜNYA

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{z}S_{j_s, j^{sa}}^{\mathbb{k}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{(j_{sa}^{ik}+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j_s - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}-1+j_{sa}-s>0 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{s}\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{n}-s+1)}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=}^{}{}_{j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+}$$

$$\sum_{n_{}=n_{is}+j_{sa}^{s}-j_{}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{} - j_{sa} + 1$

$j_s + \quad - 1 \leq j_{} - \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\quad > \boldsymbol{n} \quad \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GÜLDÜNYA

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j^{ik}_{sa} + 1)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} +}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} -)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{s} - \mathbb{k} - 1)}{(j^{sa} - j_s - 1)! \cdot (n_{is} + - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} -)!}{(n_{sa} - j^{sa} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - - j_{sa} + 1)!}{(j_s + - j^{sa} - \boldsymbol{l} \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(- j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + ^{a} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$fzS_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{n}-D-s)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!}$$

$$\frac{(\quad}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} - 1)!}{(\quad + \boldsymbol{l}_{sa} - j^{sa} - \quad)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\quad - j_{sa} - j^{sa} - s)!} -$$

$$\sum_{=1}^{(\quad - s + 1)} \sum_{+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^s_{sa}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{} \; \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \; \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \; \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} + j_s - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{} \; \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \; \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \; \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

GÜLDÜMYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}\ 2)!}{(\boldsymbol{l}-j_s)!\ _s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\ +j_{sa}-j^{sa}\ )!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\ +j_{sa}-s=\ \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}\ \wedge j_{sa}^{s} \leq j_{sa}^{ik}-\ \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\ldots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s}\ ,j_{sa}^{ik},\mathbb{k},j_{s}\ \cdots,j_{sa}^{i}\} \wedge$

$s \geq 4\ \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{ISO}}=\sum_{k=1}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GULDÜNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{s}}^{\boldsymbol{n}+}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{sa}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa}-1)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}$ [illegible] $+j_{sa}-s=$ [illegible]$) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+$ [illegible]$\wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-$ [illegible]

$\boldsymbol{l_{ik}}-j_{sa}+$ [illegible]$=\boldsymbol{l_s} \wedge \boldsymbol{l}$ [illegible]$+j_{sa}^{ik}-j_{sa} >$ [illegible]$\boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge l$ [illegible]$\mathbb{k} > 0 \wedge$

$j_{sa} \leq$ [illegible]$-1 \wedge j_{sa}^{ik}=$ [illegible]$-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots,$ [illegible]$, \cdots, j_{sa}^{i}\}$ $\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq$ [illegible]$= s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\text{ISO}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_{sa} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{(\quad)} \sum_{(\quad)}^{(\quad)} \sum_{n_{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\quad)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} - j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{iSO}} = \sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_i=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}-\quad)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j_{sa}-j^{sa}-s)!}\;-$$

$$\sum_{=1}^{(\quad-s+1)} \sum_{(\quad+\boldsymbol{n}-D-s+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge\right.$$

GÜLDÜNYA

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} +$ $- s = \boldsymbol{l_{sa}}) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee$ $(j_{sa}^{s}, \cdots, j_{sa}^{ik},$ $_{sa}, \cdots j$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}$$

$$\sum_{n_{}=n_{is}+j_{sa}^{s}-j_{}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j_{}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>-\boldsymbol{n}+1\wedge\right.$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}=\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

$$>n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\le j_s\le j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{f_Z}S_{j_s, j^{sa}}^{ISO} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}$$

$$\frac{(\quad)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}-\quad)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\quad-j_{sa}-j^{sa}-s)!}\ -$$

$$\sum_{(j_s=\quad-D-j_{sa}+1)}^{(\quad-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\quad}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge\right.$$

GÜLDÜNYA

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

GÜLDÜNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s}^{n_{is} + j_s - j^{sa}} \sum_{\boldsymbol{n} - j^{sa} + 1}
$$

$$
\frac{(n_i \quad n_{is} - 1)}{(j_s - 2)! \cdot (n_i - \quad + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} \quad - 1)!}{(j^{sa} - j_s - 1 \quad (\quad + j_s - \quad - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \quad)!}{\quad_{sa} + j^{\quad} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \quad - j_{sa} + 1)!}{(\quad + \boldsymbol{l_{sa}} - \quad \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GULDUNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(n_{is} - j_s - n_{sa} - j^{sa} - \mathbb{k} + 1)! \cdot (n_{sa} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

GÜLDÜNYA

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{n}-s+1)} \sum_{(\boldsymbol{l_i}+\boldsymbol{n}-s-1)\, j_{sa}+j_{sa}-1}^{(n_i - j_s+1)} \sum_{n_i=\boldsymbol{n}+}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )}_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2 \cdot n_{is} + j_s - j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

GÜLDÜNYA

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - } \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa}}^{n_{is} + j_s - j^{sa} - \mathbb{k}} 1
$$

$$
\frac{(n_i - \quad - 1)!}{(\quad - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}^{}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_s}^{j_{sa}^{ik}+1}$$

$$\sum_{n_i=}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s}^{(}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{sa}-\mathbb{k}$$

$$\frac{(n_i}{(j_s-}\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{i}-n_{sa}-1)!}{(-j_s-1)!\cdot(+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

GÜLDÜNYA

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}^{n}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_s}^{n_{is}+j_s-j^{sa}} \boldsymbol{n}-j^{sa}+1$$

$$\frac{(n_{i} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - \quad + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \quad - 1)!}{(j^{sa} - j_s - 1 \quad + j_s - \quad - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} \quad)!}{\quad_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \quad - j_{sa} + 1)!}{(\quad + \boldsymbol{l_{sa}} - \quad - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{s} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{i},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$_{fz}S_{j_s}^{j_{sa}} = \left(\sum_{k=1}^{(\ \ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n}\ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

GÜLDÜNYA

$$\left(\sum_{k=1}^{(j^{sa}-j_{sa})}\sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{n}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}\right.$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\boldsymbol{n}+j^{sa}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}^{\boldsymbol{n}+j_{sa}-s}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{n}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}^{(\ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}}^{(n_i-j_s+1}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{}}^{(}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-\right.\ -j^{sa}-s\ -j_{sa}^{ik}-\ \mathbb{k})!}{(2\cdot n_{is}+2\cdot\ +j_{sa}-n_{ik}\ )\ -j_{sa}^{}\ \mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ \ \boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\ +1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+\ \wedge$

$j_s+j_{sa}-1\leq\ \leq\boldsymbol{n}+\ -s\wedge$

$\boldsymbol{l_{ik}}-\ +1=\boldsymbol{l_s}\wedge\ +j_{sa}^{ik}-\ _{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\ \leq\boldsymbol{l_{sa}}\leq D\ \boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\ <n\wedge\ \ 0\wedge$

$j_{sa}\leq j_{sa}^{i}-\ \wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\{j_{sa}^{s},\ \ ,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa}+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{n}+j_{sa}-s} \sum_{j^{sa}=j_s+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{\quad}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(\quad-2)!}\cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_{sa}+1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D-j^{sa}-\boldsymbol{l}_{\quad})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{s}^{i}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{\cdot\cdot}^{\cdot iso}{}_{j^{sa}} = \left(\sum_{k=\cdot\cdot\cdot

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \left(n_{sa}=n_{ik}+\right.-j_{sa}-\mathbb{k}\Big)$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\right.-j_{sa}^{ik}-\Big)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\right.-j_{sa}^{s}\Big)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+-\boldsymbol{n}-\boldsymbol{l_i}-j)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq -\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ > \boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_i} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}-j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \leq n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{\ ,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} \neq +\mathbb{k} \wedge$

$) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}^{}\right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad - j_{sa} - 1)!}{(\quad + \boldsymbol{l_{sa}} - j^{sa} - \quad)! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} + \quad - j^{sa} - s)!}\Bigg) -$$

$$\sum_{(\quad)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \quad \sum_{(\quad+\boldsymbol{n}-D-s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^s_{sa}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge\right.$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \wedge$

$\boldsymbol{l_{sa}} \le + j_{sa} - \boldsymbol{n} \wedge \le D + s - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < \wedge I = \mathbb{k} > \wedge$

$j_{sa} \le - 1 \wedge j_{sa} - j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$= s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_s} + j_{sa} - 1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+\ -j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\ -\ )!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ -j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\ -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ )!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ -\boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ >\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{sa}}\leq D+j_{sa}-\ \wedge \boldsymbol{l_i}\leq D\ -s-\boldsymbol{n})\vee$$

$$(D\geq\ <n\wedge \boldsymbol{l_s}>1\wedge\ \leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ >\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{ik}}\ -j_{sa}^{ik}-\boldsymbol{n}\wedge \boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$$

$$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$$

$$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum^{(\ )} \left(n_{sa}=n_{ik}+ -j_{sa}-\mathbb{k}\right)$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}- -j_{sa}^{ik}- \right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}- \boldsymbol{n}-j_{sa}^{ik}- -j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+ -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D- \boldsymbol{l_i})!}{(D+j^{sa}+ -\boldsymbol{n}-\boldsymbol{l_i}-j)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l} \right. D-\boldsymbol{n}+$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge$

$(D \geq \quad \leq n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1$

$j_s+ _{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \quad -j_{sa}^{ik}-\boldsymbol{n}\right) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s^{sa}} = \left(\sum_{z=1}^{\mathbb{k}_z} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa}+1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa}+2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\ -j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\ -j_{sa}^{ik}-\ )!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ -j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\ -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ )!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ \boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge$

$(D \geq \ \leq n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}}\ -j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$s_{i_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - j_{sa} + 1)!}{(\boldsymbol{l_s} + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{n} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1}^{(\boldsymbol{l_s})} \sum_{(j_s=2)}^{} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 1 \wedge$

$j_{sa} - j_{sa}^{s} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$j_{sa}^{s} - j_{sa}^{ik} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right. $$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j^{sa}-j_{sa})} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\quad-j^{sa})!}\cdot$$

$$\frac{(\quad)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\quad-j_{sa}-1)!}{(\quad+\boldsymbol{l_{sa}}-j^{sa}-\quad)!\cdot(\quad-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(\quad+j_{sa}-\quad-s)!}{(D+j^{sa}-\boldsymbol{n}-\quad)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=(i-j_{sa}+1)}^{(\quad)}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$$

GÜLDÜNYA

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l}$ $j_{sa} - \boldsymbol{n}$ $) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$ $- \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j$ $+ 1 \wedge$

$j_s + j_{sa} - 1 < j^{sa} \leq$ $+ j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ $\wedge$

$D + j$ $- \boldsymbol{n} < \boldsymbol{l_{sa}} \leq$ $+ \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} <$ $I = \mathbb{k} >$ $\wedge$

j_{sa} $- 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}$ $sa, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$= s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}^{} \right.$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\quad - j^{sa})!} \cdot$$

$$\frac{(\quad)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\quad \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + 1)!}{(\quad + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\quad - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(\quad + j_{sa} - \quad - s)!}{(D + j^{sa} - \boldsymbol{n} - \quad)! \cdot (\boldsymbol{n} \quad - j^{sa} - s)!}\Bigg) -$$

$$\sum_{(\quad)}^{(\boldsymbol{l}_{\boldsymbol{s}})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\quad} \sum_{\quad+\boldsymbol{n}-D-s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{\quad} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} - 2)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_{\boldsymbol{i}})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{i}} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > 1 \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz^{\dots}_{j_{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa} = j_{sa}+1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_i \dots \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s \dots} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} \dots j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa} = j_{sa}+1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}$ $+ j_{sa} - s >$ $\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} +$ $\wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 /$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{s}$ $\leq j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^{s}$ $\cdots, \mathbb{k}, j_{sa}, \cdots, j_{s}$ $\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{s}$ $\mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s$ $\wedge$

$\mathbb{k}_z$: $1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

GULDUNYA

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{sa}}}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+}^{}{}_{-D-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(\ )}$$

$$\sum_{n_{is}+j^{s}_{sa}-j}^{(\ )}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}+j^{sa}-s-j^{ik}_{sa}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j-\boldsymbol{n}-j^{ik}_{sa}-\mathbb{k}-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \quad < n \wedge \boldsymbol{l_s} > 1 \wedge \quad \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \quad - j_{sa} + 1$

$j_s + \quad - 1 \leq \quad \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$< D \quad - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

GÜLDÜNYA

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{\imath}so}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j^{ik}_{sa}} \sum_{j^{sa} = j_{sa}+1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s}^{n_{is} + j_s - j^{sa}} \boldsymbol{n} - j^{sa} + 1
$$

$$
\frac{(n_{\cdot} \; n_{is} - 1)}{(j_s - 2)! \cdot (n_i - n_{is} \; + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \; - 1)!}{(j^{sa} - j_s - 1 \; + j_s - \; - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} \;)!}{{}_{sa} + j^{s} \; \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_s \; \boldsymbol{l_{sa}} - s)!}{(D \; j^{sa} - \boldsymbol{n} \; \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{sa}}} \sum_{j^{sa} = j_{sa}+1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}}^{(\ )} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j^{ik}_{sa} - \ \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \ \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{s}^{i}$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$f_{z}^{iso}{}_{j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=j_{sa}+1}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}}^{(\ )}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)}\cdot$$

$$\frac{}{(\boldsymbol{n}^{s}-\quad-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_i})!}{(D-j^{sa}+s-\boldsymbol{l_i}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}-j_{sa}=\boldsymbol{l_{ik}} \wedge$ $+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq$ $< n \wedge I=\mathbb{k}$ $0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge$ $=j_{sa}$ $\wedge j_{sa}^{s}$ $_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}$: $\{j_{sa}$ $\cdots, \mathbb{k}, j_{sa}, \cdots, j_s$ $\vee \boldsymbol{s}$: $\{j_{sa}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}$ $+\mathbb{k} \wedge$

$\mathbb{k}_z$: $-1) \Rightarrow$

$$fzS_{j_s,j^{sa}}^{\text{ISO}} = \sum_{k=1}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

GULDUNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\boldsymbol{l_{sa}}-j_s+1)} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{n_i+j_{sa}-1} \sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )} \frac{(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

GÜLDÜNYA

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}
$$

$$
\frac{(n_i}{(j_s - \cdot (n_i - n_{is}} \cdot
$$

$$
\frac{(n_{is} \quad n_{sa} - \quad 1)!}{(\quad - j_s - 1)! \cdot (\quad + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(\quad j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{(j_s = 2)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\quad)}
$$

$$
\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}_{z},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$\text{İ}_{\mathbb{k}_z}S_{j^{sa}}=\sum_{k=1}^{(j^{sa}-j_{sa}+1)}\sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{=\boldsymbol{n}}^{n_{is} - j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(\boldsymbol{n} - n_{is} - 1)!}{(j_s - 2)! \cdot (\boldsymbol{n} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (\boldsymbol{n} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\boldsymbol{n} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}_{z},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$_{z}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{n}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{=\boldsymbol{n}}^{n_{is} - j^{sa} - \mathbb{k}}$$

$$\frac{(\boldsymbol{n} - n_{is} - 1)!}{(j_s - 2)! \cdot (\boldsymbol{n} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (\boldsymbol{n} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(\boldsymbol{n} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$_{fz}S^{\dot{}}_{j^{sa}}=\sum_{k=1}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{(j_s=2)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{\boldsymbol{n} + j_{sa} - s} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s}^{(n_i - j_s + 1)} \sum_{= n_{is}}^{n_i + j_s - j^{sa} - \mathbb{k}} \sum_{j^{sa} + 1}$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{a} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}_{z},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$S_{j_s}^{\text{İSO}}=\sum_{k=1}^{}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{j^{sa}=n_{is}+j_{sa}+1}^{n_i+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_{is} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (n_{is} + j_s - n_{sa} - j_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - \boldsymbol{n} + 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}_{z},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$fz \quad \sum_{k=1}^{iSO} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} -}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s}^{(n_i - j_s + 1)} \sum_{= n_{isa} + 1}^{n_i - j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_{sa} - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}$$

$$\frac{(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s})!} \cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I-\mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{sa}-1 \wedge j_{sa}^{ik}=j^{sa}-1 \wedge j_{sa}^{s} \leq j^{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(j^{sa}-j_{sa}+1)}\sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\sum_{j^{sa}=j_{sa}+1}^{n}\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j^{sa}-\mathbb{k}}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

GÜLDÜNYA

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!(\boldsymbol{n}+j_{sa}-$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}^{}\sum_{}^{\boldsymbol{l_{sa}}}\sum_{}^{j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(}\sum_{=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(\quad)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

GÜLDÜNYA

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k})!}{(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l}-j_s)!\,(\boldsymbol{l_s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n}-\boldsymbol{l_i}+j_{sa})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\,(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\mathbb{k}>1\wedge$

$j_{sa}\leq j_{sa}^{ik}-1\wedge j_{sa}^{ik}\leq j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\cdots,j_{sa}^{i}\}\vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$4\wedge \boldsymbol{n}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{l_s} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - j_{sa} - 1)!}{(\boldsymbol{n} + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} + j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} + 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\left((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge\right.$$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{k} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$fz_{j^{sa}}^{\boldsymbol{n}-D} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{is}+j_s-j^{sa}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1}{(j_s-2)!\cdot(n_i-\quad+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}\quad-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s\quad_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}+j\quad-\boldsymbol{n}-1)!\quad-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\quad-j_{sa}+1)!}{+\boldsymbol{l_{sa}}\quad_{sa}\quad)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j\quad-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 1 \wedge$

$j_{sa} \leq j_{sa}^{i}-1=j_{sa}^{ik}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} > s+\mathbb{k} \wedge$

$\mathbb{k}_z.z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}^{}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{n} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ )} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{} \left(n_{sa}=n_{ik}+\right.$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}\right.\boldsymbol{n}-j_{sa}^{ik}-\left.j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\ -s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ )!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ \geq \boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}<D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq \ <n\wedge \boldsymbol{l_s}>1\wedge \ \leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ >\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+\ -\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

GÜLDÜNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+\boldsymbol{n}-D+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1}^{n} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{1} \left(\sum_{j_{sa}-j_{sa}+1 \le n_{sa} \le \boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{is} - j_s + j_{sa} - n_{ik} - j^{sa} - s - j_{sa}^{ik} - \mathbb{k}\right)!}{\left(2 \cdot n_{is} - 2 \cdot j_s + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\big((D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$$

$$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

GÜLDÜNYA

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} -$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} -$ $- 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} -$ $\wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}$ $_{sa}, \cdots, j_{sa}$ $j_{sa}, \cdots$ $^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

GÜLDÜNYA

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-}^{(n_i-j_s+1)}\sum_{}^{n_i-j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\quad-n_{is}-1)!}{(j_s-2)!\cdot(\quad-n_{is}-j_s+}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(\quad+j_s-n_{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\quad-1)!}{(n_{sa}-j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\quad a-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\quad+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-s-j_{sa}^{ik}-\ \mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

GÜLDÜNYA

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

GULDUNYA

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

GÜLDÜNYA

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{}-\mathbb{k})}^{(}$$

$$\frac{\left(2\cdot n_{is}+j_s+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}\right)!}{\left(2\cdot n_{is}+2\cdot j_s+j_{sa}-n_{ik}-\boldsymbol{n}-j_{sa}^{s}-\mathbb{k}-j_{sa}^{s}\right)!}$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-$ $+1\wedge$

$1\leq j_{sa}\leq j^{sa}-j_{sa}$ $\wedge$

$j_s-j_{sa}-1\leq$ $\leq\boldsymbol{n}+$ $-s\wedge$

$\boldsymbol{l_{ik}}$ $+1>\boldsymbol{l_s}\wedge$ $+j_{sa}^{ik}-$ $=\boldsymbol{l_{ik}}\wedge$

$+j_{sa}^{ik}-$ $<\boldsymbol{l_{ik}}\leq D-\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq$ $<n\wedge$ $\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \Bigg) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \Bigg) -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j^{ik}_{sa} - s - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

GÜLDÜNYA

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{s}^{i}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j}^{\text{İSO}} = \left(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa}-2)!\cdot(n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)!\cdot(\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} \right) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

GÜLDÜNYA

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - \quad)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \quad - s)!}\Bigg)$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s=1)}^{} j^{sa}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=} {}_{j_{sa}-j^{sa}} {}_{+1)\, n_{sa}=n_{ik}} {}_{j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_i + j_{s} - n_{ik} - j_s - \quad - j_{sa}^{ik} - \quad - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} \quad {}^{sa} - \boldsymbol{n} - j_{sa}^{ik} \quad \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\quad + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq \quad - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} \quad 1 \wedge$

$j \quad + j_{sa} - 1 \quad {}^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} \quad j_{sa}^{ik} + 1 = \boldsymbol{l_s} \quad \boldsymbol{l_{sa}} + j_{sa} \quad > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D \quad j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \quad \boldsymbol{l_s} = 1 \quad \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \quad s \quad {}^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \quad \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} \quad j_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\boldsymbol{n}}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg)$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)\ j^{sa}}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=\ j_{sa}-j^{sa}\ +1)\ n_{sa}=n_{ik}\ -j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} > j_{sa}^{ik} + 1 = \boldsymbol{l_s} + \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} > j_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GULDUNYA

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\boldsymbol{n}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

GÜLDÜNYA

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - \quad)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j \quad - s)!}\Bigg)$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s=1)} \sum_{j^{sa}} \quad \sum_{=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik} = \quad j_{sa} - j^{sa} \quad k+1)\ n_{sa} = n_{ik}} \quad - j_{sa} - \mathbb{k}$$

$$\frac{\left(2 \cdot n_i + j_s - n_{ik} - j_s - \quad - j_{sa}^{ik} - \quad - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} - n_{ik} \quad {}^{sa} - \boldsymbol{n} - j_{sa}^{ik} \quad \mathbb{k} - j_{sa}^{s} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\quad + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D \quad \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{s \quad + 1 \wedge$

$j \quad + j_{sa} - 1 \quad j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \quad \boldsymbol{l_{sa}} + j_{s \quad} \quad = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D \quad s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \quad = \mathbb{k} > \quad \wedge$

$j_{sa} \quad j_{s \quad} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \quad sa, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \quad \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{iSO}} = \sum_{k=1}^{(\ \ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

GULDUNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-1)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\cdot\frac{}{}$$

$$\sum_{(j_s=1)}^{} \sum_{j^{sa}=j_{sa}}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i-j^{sa}-j_{sa}^{s})}^{} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}^{}$$

$$\frac{(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{s}-j_{sa}^{ik}-s-\mathbb{k}+2)!}{(2\cdot n_i+j_{sa}-n_{ik}-j-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j \leq j^{sa} - j_{sa} \wedge$

$j_s + j_{sa} - 1 \leq \quad \leq \boldsymbol{n} + \quad - s \wedge$

$\boldsymbol{l_{ik}} \quad + 1 = \boldsymbol{l_s} \wedge \quad + j_{sa}^{ik} - \quad = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$+ s - \quad < \boldsymbol{l_i} \leq D + \quad + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \quad < n \wedge \quad \quad 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \quad \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\quad \{j_{sa}^{s}, \cdots, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

GÜLDÜNYA

$$
{}_{fz}S^{\dot{\imath}SO}_{j_s,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{(\ )} \sum_{(n_{sa}=n_i+j_{sa}-j^{sa}-\mathbb{k}+1)} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(2 \cdot n_i + j_{sa} - \quad - j_s - j^{\quad} - j^{ik}_{sa} - s - \mathbb{k} + 2)!}{(2 \cdot n_i + \quad - n_{ik} - j^{\quad} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa} + 2)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad 1 \wedge \boldsymbol{l_s} \quad \boldsymbol{n} \quad \wedge$

$1 \leq \quad \leq j^{sa} - j_{sa} + \quad \wedge$

$j_s + j_{sa} - \quad \leq j^{sa} \leq \boldsymbol{n} \quad j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - \quad + 1 > \boldsymbol{l_s} \quad \boldsymbol{sa} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j^{ik}_{sa} - \quad \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \wedge$

$\quad \boldsymbol{n} \quad \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

GULDUNYA

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s\,,j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} -}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} \quad \mathbb{k}+1)!}
$$

$$
\frac{(n_{sa}-1)}{(n_{sa}+j^{sa} \quad -1)! \cdot (\boldsymbol{n} \quad sa)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} \quad - j_{sa})!}{(\boldsymbol{l_{sa}} \quad sa)! \quad sa - j_{sa})!} \cdot
$$

$$
\frac{D + j_{sa} \quad a - s)!}{(D + j^{sa} - \boldsymbol{n} \quad \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} \quad j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{\quad i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{\quad k=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(2 \cdot n_i + j_{sa} \quad n_{ik} - j_s - j^{sa} - j^{ik}_{sa} - s - \mathbb{k} + 2\right)!}{\left(2 \cdot n_i + j_{sa} \quad n_{ik} - j^{sa} - \boldsymbol{n} - j^{ik}_{sa} - \mathbb{k} - j^{s}_{sa} + 2\right)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$\big((D \geq \boldsymbol{n} < n \quad \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \quad \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}^{1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

GÜLDÜNYA

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\ \mathbb{k}+2\right)!}{\left(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\ \mathbb{k}-j_{sa}^{s}+2\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\ )!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge \boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+$ $-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge \boldsymbol{l_i}\leq D+s$ $\boldsymbol{n})\vee$

$(D\geq$ $<n\wedge \boldsymbol{l_s}=$ $\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+$ $\wedge$

$1\leq j_s\leq j^{sa}$ $+1\wedge$

j_s+ $-1\leq j^{sa}\leq$ $+j_{sa}-$ $\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}$ $j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}$ $\leq D+s-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<$ $\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq$ $-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge \boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

GÜLDÜNYA

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

GÜLDÜNYA

$$\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2\cdot n_i+j_{sa}-n_{ik}-j_s-j^{sa}-j_{sa}^{ik}-s-\mathbb{k}+2\right)!}{\left(2\cdot n_i+j_{sa}-n_{ik}-j^{sa}-\boldsymbol{n}-j_{sa}^{ik}-\mathbb{k}-j_{sa}^{s}+2\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{n}\ldots)!\cdot\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

GÜLDÜNYA

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

GULDUNYA

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}
$$

$$
\sum_{\boldsymbol{n}+\mathbb{k}\,(n_{sa}=\boldsymbol{n}-j^{sa}+1)}
$$

$$
\frac{(\quad - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (\quad - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{(2 \cdot n_i + j_{sa} - n_{ik} - j_s - j^{sa} - j_{sa}^{ik} - s - \mathbb{k} + 2)!}{(2 \cdot n_i + j_{sa} - n_{ik} - j^{sa} - \boldsymbol{n} - j_{sa}^{ik} - \mathbb{k} - j_{sa}^{s} + 2)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

GÜLDÜNYA

DİZİN

B

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.2.1/3-4
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 durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.3.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/153-154
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/162-163
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 durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.2.1/153-154
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.2.1/162-163
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 durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.3.1/153-154
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 durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.1.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.2.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.3.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu

GÜLDÜNYA

simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/156-157
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/165
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/215
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.2.1/156-157
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, 2.3.2.1.1.1.3.1/156-157
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, 2.3.2.1.1.6.1.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.6.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.1.1/4
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, 2.3.2.3.1.6.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/77
ilk düzgün simetrik olasılık, 2.3.2.1.1.1.1.1/61
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/106
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna
ilk simetrik olasılık, 2.3.2.1.1.1.2.1/77
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, 2.3.2.1.1.1.3.1/77
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

GÜLDÜNYA

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, 2.3.2.3.2.2.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.2.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.2.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız 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 bağımlı-bir 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 bağımlı-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

GÜLDÜNYA

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-bağımlı 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 durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.1.1.1/4
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 bağımlı-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.2.1.1/5
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 bağımlı-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

GÜLDÜNYA

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 ve herhangi iki 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 ve herhangi iki 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 ve herhangi iki 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, 2.3.2.2.5.1.3.1/3-4
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

GÜLDÜNYA

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 bağım simetrinin ilk ve herhangi iki duru unun bulunabileceği olaylara göre herhangi iki duruma bağlı
ilk simetrik olasılık, 2.3.2.1.8.1.3.1/5
ilk düzgün olmayan metrik 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, 2.3.2.3.8.2.1.1/6-7
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 bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.1.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.1.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.1.1/5
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, 2.3.2.2.6.1.2.1/3-4
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

GÜLDÜNYA

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, 2.3.2.2.6.6.1.1/3-4

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, 2.3.2.2.6.6.2.1/5

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, 2.3.2.2.6.6.3.1/3-4

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

GÜLDÜNYA

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 bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı
ilk simetrik olasılık, 2.3.2.1.9.2.2.1/6
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, 2.3.2.3.9.2.3.1/6
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir 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-bir 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-bir 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 bağımlı-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı
ilk simetrik olasılık, 2.3.2.1.9.6.1.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.9.6.1.1/7
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

GÜDÜMYA

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 iki 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, 2.3.2.1.7.1.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.7.1.1.1/3-4
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

GÜDÜNYA

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 bağımsız 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

GÜDÜNYA

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 bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.10.2.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir 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-bir 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-bir 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 bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.10.6.1.1/5

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

GÜLDÜNYA

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, 2.3.2.1.11.1.1.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.1.1/6
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, 2.3.2.1.11.2.1.1/8-9
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, 2.3.2.1.11.2.2.1/8
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

GÜLDÜNYA

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 farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.6.2.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.6.2.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.6.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.6.3.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.7.1.1/8-9

ilk 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 olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.7.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.7.3.1/6

GÜLDÜNYA

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 dağılımın ilk bağımlı durumu olan ve bağımlı olasılıklı dağılımın ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık kitabında, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu olan ve bağımlı olasılıklı dağılımın ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılığın, tanım ve eşitlikleri verilmektedir.

VDOİHİ'nin diğer ciltlerinde olduğu gibi bu ciltte de verilen eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer eşitlikler ise ana eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde dış kaynak kullanılmamıştır.

GÜLDÜNYA