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 2.3.2.3.3.1.1.3

İsmail YILMAZ

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Matematik / İstatistik / Olasılık

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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 2.3.2.3.3.1.1.3

İsmail YILMAZ

<u>KÜTÜPHANE BİLGİLERİ</u>

Yılmaz, İsmail.

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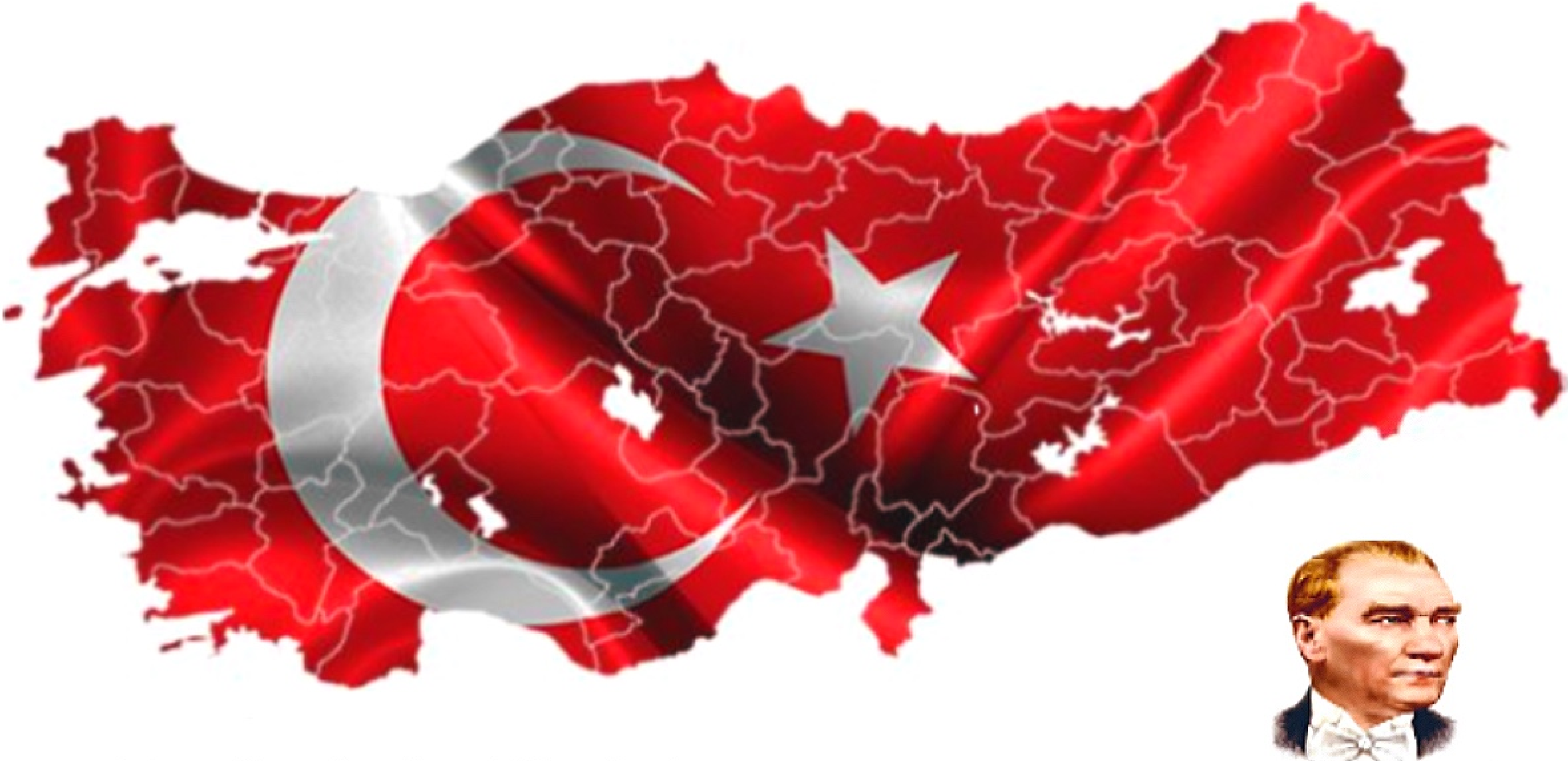
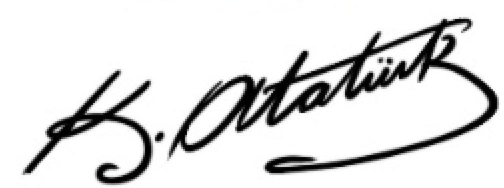
1. Bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

Dili: Türkçe + Matematik Mantık





Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

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

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

$\mathbb{I}$: 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

${}_{i}\boldsymbol{l}$: 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}: $\mathrm{j_{ik}}$'da bulunan durumun simetriyi oluşturan bağımlı durumlar arasında bulunduğu olayın son olaydan itibaren sırası

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

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

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

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

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

D: bağımlı durum sayısı

D_i: olayın durum sayısı

s: simetrinin bağımlı durum sayısı

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

m: olasılık

M: olasılık dağılım sayısı

U: uyum eşitliği

u: uyum derecesi

s_i: olasılık dağılımı

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

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

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

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

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

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

I

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

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

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

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

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

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

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

${}^{0}_{fz}S^{İSO}_{j_i}$: 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

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

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E2

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

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

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilen dağılımlara ve bağımlı olasılıklı dağılımların kendi olay sayısından (bağımlı olay sayısı) bir büyük olaylara (bağımsız olay sayısı) dağılımıyla bağımlı ve bir bağımsız olasılık dağılımlar elde edilir. Bağımlı dağılım farklı dizilimsiz dağılımlarla oluştuğunda, bu dağılımlara bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlar denir. Bağımlı ve bir bağımsız olasılıklı dağılımlar; bağımlı dağılımlara, bağımsız durumlar ilk olaydan dağıtılmaya başlanarak tabloları elde edilir. Bu bölümde verilen eşitlikler, bu yöntemle elde edilen kurallı tablolara göre verilmektedir. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralanmasıyla 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 hariç olarak 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.

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 tanımları ve eşitlikleri verilmektedir.

Farklı dizilimsiz dağılımlarda simetrinin durumlarının olasılık dağılımındaki sırası, 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 kullanılacaktır. Bu eşitlikler, bir bağımlı ve bir bağımsız olasılıklı dağılımlar için VDOİHİ Cilt 1'de çıkarılan eşitliklerle birleştirilerek, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımların yeni eşitlikleri elde edilecektir. Eşitlikleri adlandırılmasında da 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/[illegible]/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 ad kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetrinin durumlarının bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırasına göre verilen eşitliklerdeki toplam [illegible] 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 ciltte bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu [illegible] bağımlı olasılıklı dağılımın ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılığın eşitlikleri verilmektedir.

SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE İLK DÜZDÜN OLMAYAN SİMETRİK OLASILIK

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

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

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

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

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

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

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

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

$$S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}^{\cdots} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\cdots)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\text{[illegible]}n_{is}\text{[illegible]}1)!}{(j_s-\text{[illegible]})!\cdot(n_i-\text{[illegible]}_s+1)!}\cdot$$

$$\frac{(n_{is}-\text{[illegible]}-1)!}{(j^{sa}-j_s-\text{[illegible]}\cdot(n_{is}+\text{[illegible]}_s-n_{sa}-j^{sa})!}\cdot$$

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^s)!\cdot(\boldsymbol{n}+j_{sa}^s-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\text{[illegible]} - 1)!}{(n_{\text{[illegible]}} + j^{sa} - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j^{s\text{[illegible]}}} \cdot$$

$$\frac{(\boldsymbol{l}\text{[illegible]} 2)!}{(\boldsymbol{l_s} - j_s\text{[illegible]}_s - 2)!} \cdot$$

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

$$\left.\frac{(D + j_{sa} \text{[illegible]}_{\boldsymbol{sa}} - s)!}{(D \text{[illegible]} j^{sa} \text{[illegible]} \boldsymbol{l} \text{[illegible]} (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\ \Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\ \Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-[illegible])!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}[illegible])!\cdot(\boldsymbol{n}+j_{sa}[illegible]-j_s)!}\cdot$$

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

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

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

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

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

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l}[illegible]+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

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

$j[illegible] \leq j_{sa}^{i}-1 [illegible] j_{sa}^{s} \leq j_{s}[illegible]-1 \wedge$

$\boldsymbol{s}:\{j^{s}[illegible],j_{sa},\cdots,j_{sa}^{i}[illegible]$

$s \geq 3 \wedge [illegible]=s) \Rightarrow$

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{i}\ldots s-\Bbbk)!}{(n_{is}\ldots-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

20 $D > \mathbf{n} < n$

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j^{s}_{sa})!\cdot(\mathbf{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}\ldots s-\mathbb{k}\ldots)!}{(n_{is}+\ldots-\boldsymbol{n}-\mathbb{k}-\ldots)!\cdot(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

$j_{sa} \leq j^i_{sa} - \ldots \wedge j^s_{sa} \leq j_{sa} - 1 \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\text{[illegible]}}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\text{[illegible]}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\text{[illegible]})!\cdot(j_s-2)!}$$

$$\frac{(D\text{[illegible]})!}{(D+j^{sa}+s-\boldsymbol{n}\text{[illegible]}_i-j_{sa})\text{[illegible]}(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

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

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

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

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}\text{[illegible]}_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l}\text{[illegible]}-j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \text{[illegible]} = 0 \wedge$

$j\text{[illegible]} \leq j_{sa}^{i}-\text{[illegible]}j_{sa}^{s} \leq j_{s}\text{[illegible]}-1 \wedge$

$\boldsymbol{s}\!:\{j^{s}\text{[illegible]},, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 3 \wedge \text{[illegible]} = s) \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$ \frac{(\boldsymbol{l_s} - 2)!}{\text{[illegible]} - j_s)! \cdot (j_s - 2)!} \cdot $$

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

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

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

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

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

$$ \frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j^{s}_{sa})! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot $$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{n_i = \text{[illegible]}}^{n} \sum_{\text{[illegible]} = \boldsymbol{n} + \text{[illegible]} j_s + 1)}^{(\text{[illegible]} j_s + 1)}$$

$$\sum_{n_{ik} \text{[illegible]} j_{sa}^{ik}} \sum_{(n_{sa} = \text{[illegible]} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} \text{[illegible]} s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} \text{[illegible]} \mathbb{k} - j_{sa}^{s} \text{[illegible]} (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

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

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

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1$ [illegible]

$2 \leq j$ [illegible] $\leq j^{sa} - j_{sa}$ [illegible] $\land$

j_s [illegible] $j_{sa} - 1 \leq$ [illegible] $\leq \boldsymbol{n} +$ [illegible] $- s \land$

$\boldsymbol{l_{ik}}$ [illegible] $j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land$ [illegible] $+ j_{sa}^{ik}$ [illegible] $> \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

[illegible] $D \geq \boldsymbol{n}$ [illegible] $\land \boldsymbol{l_s} > D -$ [illegible] $+ 1 \land$

$2 \leq j$ [illegible] $\leq j^{sa}$ [illegible] $\land$

j_s [illegible] j_{sa} [illegible] $\leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

[illegible] $- j_{sa}^{ik}$ [illegible] $> \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

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

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

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

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

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

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

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

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

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $k = 0 \wedge$

j [illegible] $\leq j_{sa}^{i} -$ [illegible] $\wedge j_{sa}^{s} \leq j$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}$ [illegible] $\wedge$

$s \geq 3$ [illegible] $= s) \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$${}^{SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.$$

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

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

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

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

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

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

$$\Bigg(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D-j_{sa}-\boldsymbol{n}\wedge$

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

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

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

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

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

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

$\ldots>3\wedge\ldots s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

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

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

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

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

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

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

$$\left(\sum_{s=1}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

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

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

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

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

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

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

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

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

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s [illegible])}^{(n_i-j_s+1)}$$

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

$$\frac{(n_{is}-s-\Bbbk [illegible])}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s} [illegible] (\boldsymbol{n}+j_{sa}^{s} [illegible] j_s)!}\cdot$$

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

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

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1$ [illegible]

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

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

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

$D+j$ [illegible] $-\boldsymbol{n}<\boldsymbol{l_{sa}}$ [illegible] $D+\boldsymbol{l_{ik}}+j_{sa}$ [illegible] $\wedge$

[illegible] $\geq\boldsymbol{n}<n$ [illegible] $=\Bbbk=$ [illegible]

j_{sa} [illegible] $j_{sa}^{i}-1\wedge j_{sa}^{s}$ [illegible] $j_{sa}-1$ [illegible]

[illegible] $\{j_{sa}^{s},$ [illegible] $\ldots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=$ [illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

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

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

$D \geq \boldsymbol{n} < n \wedge I = 1 \wedge 2 \leq \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

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

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

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

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j^{ik}_{sa} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\text{[illegible]} - n_{is} - 1)!}{(j_{\text{[illegible]}} - 2)! \cdot (\text{[illegible]}\, n_{is} - j_s + 1\text{[illegible]})!} \cdot$$

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

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

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

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \text{[illegible]}_{\boldsymbol{a}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-s-\mathbb{k}\text{[illegible]}}{(n_{is}+j_s-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}+\text{[illegible]}-s-j_s)!}$$

$$\frac{(\text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \wedge$

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

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

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \text{[illegible]} > \boldsymbol{l_s} \wedge \text{[illegible]} + j^{ik}_{sa} - j_{sa} = \text{[illegible]} \wedge$

$D + j^{ik}_{sa} - \boldsymbol{n} < \text{[illegible]} \leq D + \text{[illegible]} + j^{ik}_{sa} \text{[illegible]} - 1 \wedge$

$(D \geq \text{[illegible]} < n \wedge I = \mathbb{k} \text{[illegible]} 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - \text{[illegible]} \wedge j^{s}_{sa} \leq \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{\text{[illegible]}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = \text{[illegible]}) \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - [illegible])!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - [illegible] + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s [illegible] + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - [illegible])!}{(D + j^{sa} - \boldsymbol{n} [illegible])! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=[illegible]} \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D[illegible]+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{([illegible]n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < [illegible] \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 [illegible] j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $k = 0 \wedge$

$j_{sa} \leq j_{sa} -$ [illegible] $\wedge j_{sa}^{s} \leq$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{s}$ [illegible] $\wedge$

$s \geq$ [illegible] $\boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{[illegible]}^{[illegible]}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}[illegible]}^{[illegible]}$$

$$\sum_{n_i=[illegible]}^{[illegible]}\ \sum_{[illegible]=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+[illegible]}\ \sum_{[illegible]j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\quad)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}\leq\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_s} + j_{sa} - 1} \sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \right.
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!} \cdot
$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n_i+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s} \sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}-\Bbbk)}^{(}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} + \Bbbk - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \Bbbk - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$f_Z{}^{\dot{I}SO}[illegible]{}_{j^{sa}} = \left(\sum_{k=1} \sum_{(j_s[illegible]^{sa}-j_{sa}+1)}^{([illegible])} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{[illegible]} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-1)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}\mathcal{S}_{j_s, j^{sa}}^{\dot{\mathrm{I}}so} = \left(\sum_{k=1} \sum_{j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=[illegible]} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible] j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{[illegible] j_{sa}-s}$$

$$\sum_{n_i=[illegible]}^{\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\ldots)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-\ldots)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s >$ [illegible] $\wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{i}so}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\ )}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+[illegible]-\boldsymbol{n}-\Bbbk-[illegible])!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge [illegible]\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+[illegible]-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}[illegible]-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$$ {}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\mathbf{n}}^{n} \sum_{(n_{is}=\mathbf{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_s})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\mathbf{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)} $$

$$ \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!} $$

$D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,}=\sum_{=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0)\wedge$

$j_{sa}<j_{sa}^{i}-1\wedge j_{sa}^{s}<j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=3\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{(n_{is}-j_s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l_{sa}} \leq D + \mathbf{l_{ik}} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\mathbf{s}: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \mathbf{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-j_{sa}^{i}-s}^{\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\mathbf{n}}^{n} \sum_{(n_{is}=\mathbf{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} - \mathbf{l_s} - j_{sa} + 1)!}{(j_s + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \mathbf{l_{sa}} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l_{sa}})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\mathbf{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\mathbf{n}}^{n} \sum_{(n_{is}=\mathbf{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{\boldsymbol{l_i}=\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge s > 1 \wedge j_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\dots+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\dots}^{\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\dots)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s\dots}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-\dots s-\Bbbk)!}{(n_{is}+\dots-\boldsymbol{n}-\Bbbk-\dots)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+\dots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\dots>1\wedge\dots\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\dots\boldsymbol{l_s}\wedge\boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}^{ik}\dots j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}= [illegible] +\mathbb{k}-j_s+1)}^{(n_i-j_s+1 [illegible]}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}- [illegible]} \sum_{(n_{sa}=n_{ik}+j_{sa} [illegible] \mathbb{k})}^{([illegible]}$$

$$\frac{(n_{is} - s - \mathbb{k} [illegible]}{(n_{is} + j_s - \boldsymbol{n} - [illegible])! \cdot (\boldsymbol{n} + [illegible] - s - j_s)!}$$

$$\frac{([illegible])!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D [illegible] \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j [illegible])! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq [illegible] - \boldsymbol{n} + 1 [illegible]$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{s [illegible]} \leq \boldsymbol{n} + j_{sa} - s [illegible]$

$\boldsymbol{l_{i [illegible]}} - j_{sa}^{ik} + [illegible] > \boldsymbol{l_s} \wedge \boldsymbol{l_{[illegible]}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{[illegible]}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{i [illegible]}} \leq D + \boldsymbol{l_{[illegible]}} - j_{sa}^{ik} [illegible] \boldsymbol{n} - 1 \wedge$

$(D \geq [illegible] < n \wedge I = \mathbb{k} [illegible] 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - [illegible] \wedge j_{sa}^{s} \leq j_{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{ [illegible], \cdots, j_{sa}^{i} \} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = [illegible]) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=\dots} \sum_{(j_s=2)} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{j_{sa}-s}$$

$$\sum_{n_i=\dots}^{n} \sum_{n_{is}=\boldsymbol{n}-j_s+1}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j^{sa}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},j^{sa},j_{sa}^{i}\}\wedge$

$s>3\wedge s=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{[illegible]}$$

$$\sum^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_s<j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa}^{ik},,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$f_{Z\,[illegible]\,j^{sa}}^{İSO} = \sum_{k=1}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-[illegible]a)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-n_{sa}-s)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s - [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s [illegible] j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}} [illegible])!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa} [illegible] s)!}-$$

$$\sum_{k=1}^{[illegible]}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n} [illegible])}^{(\boldsymbol{l_s})}\ \sum_{[illegible] j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i [illegible] j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\Big((D\geq\boldsymbol{n}<[illegible]\ \boldsymbol{l}_{[illegible]}>1 [illegible]\ \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\ \wedge$

$1 [illegible] j_s\leq [illegible]^{sa}-j_{sa}+1\ \wedge$

$j_s+j_{sa}-[illegible]\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\ \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\ \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\ \wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\ \vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\ \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}} = \sum \sum_{(j_s=2)}^{(\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l_s}-\ldots+1)!}{(\ldots+\boldsymbol{l_{sa}}-j^{sa}\ldots)!\cdot(j^{\ldots}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}\ldots\boldsymbol{l_{sa}}-s)!}{(\ldots+j^{sa}\ldots\boldsymbol{n}-\boldsymbol{l}\ldots)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$[illegible] = \left(\sum_{k=1}^{[illegible]} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{[illegible]} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \right.$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i + j_s - s - \Bbbk - [illegible])!}{(n_i + j_s - \boldsymbol{n} - \Bbbk [illegible])! \cdot ([illegible] - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - [illegible] - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - [illegible])!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{[illegible]} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + [illegible] + j_{sa}^{ik} - \boldsymbol{n} - [illegible] \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{s[illegible]} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, [illegible], j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \Bigg(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s\ldots\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+\ldots)}$$

$$\frac{(n_i-n_{sa}-1)\ldots}{(j^{sa}-2)!\cdot(n_i\ldots-\ldots+1)!}\cdot$$

$$\frac{(\ldots-1)!}{(n\ldots+j^{sa}-\boldsymbol{n}\ldots1)!\cdot(\boldsymbol{n}-j^{s\ldots})\ldots}\cdot$$

$$\frac{\ldots)!}{\ldots-j^{sa})!\ldots-j_{sa})!}\cdot$$

$$\frac{(D+\ldots-\boldsymbol{l_{sa}}\ldots)!}{(D\ldots j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\ldots(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i\ldots}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\ldots<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$1\le j_s\le j^{s\ldots}-j_{sa}+1\wedge$

$j_s\ldots1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\le D+j_{sa}-\boldsymbol{n})\vee$

$(D\ge\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-1-j_{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S^{iso}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s\ldots=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+\ldots)}$$

$$\frac{(n_i-n_{sa}-1)\ldots}{(j^{sa}-2)!\cdot(n_i\ldots-j\ldots+1)!}\cdot$$

$$\frac{(\ldots-1)!}{(n\ldots+j^{sa}-\boldsymbol{n}\ldots1)!\cdot(\boldsymbol{n}-j^{s\ldots})\ldots}\cdot$$

$$\frac{(\boldsymbol{l}\ldots-\ldots)!}{\ldots-j^{sa})!\cdot(\ldots-j_{sa})!}\cdot$$

$$\frac{(D+\ldots-\boldsymbol{l_{sa}}\ldots s)!}{(D\ldots j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\ldots(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i\ldots}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\ldots n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{s\ldots}-j_{sa}+1\wedge$

$j_s\ldots 1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j^{s}_{sa},, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_s [illegible]}$$

$$\sum^{n} \sum_{(n_{sa}=n [illegible] j^{sa}+1)}^{([illegible] j^{sa}+1)}$$

$$\frac{(n_{[illegible]} - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_{[illegible]} - n_{sa} - j^{sa} + [illegible])!} \cdot$$

$$\frac{([illegible])!}{(n_{sa} + [illegible] - \boldsymbol{n} - [illegible] - j^{sa})!} \cdot$$

$$\frac{(D + [illegible] - \boldsymbol{l_{sa}} - s)!}{(D + [illegible] - \boldsymbol{n} - [illegible])! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum^{n}_{[illegible]} \sum_{(n_{ik}=n_i + j_{sa} - j^{sa} - j^{ik}_{sa} + 1)}^{(\ )} \sum_{n_{sa}=n_{ik} + j^{ik}_{sa} - j_{sa} - \Bbbk}$$

$$\frac{(n_i + j_s - s - \Bbbk - j^{s}_{sa})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j^{s}_{sa})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} [illegible] \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1 \wedge$

$[illegible] + j_{sa} [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}:\{j^s_{sa},,j_{sa},\cdots,j^i_{sa}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=n-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j^s_{sa})!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j^s_{sa})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_i}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+j_{sa}>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j^{ik}_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j^i_{sa}-1\wedge j^s_{sa}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j^s_{sa},,j_{sa},\cdots,j^i_{sa}\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S^{\mathrm{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk} \frac{(n_i+j_s-s-\Bbbk-j^{s}_{sa})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!} $$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$fz^{DSO}_{j_{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{ISO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\mathbf{n}-\Bbbk-j_{sa}^{s})!\cdot(\mathbf{n}-s)!}\cdot \frac{(D-\boldsymbol{l}_i)!}{(D+s-\mathbf{n}-\boldsymbol{l}_i)!\cdot(\mathbf{n}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \boldsymbol{l}_s = 1 \wedge \boldsymbol{l}_s \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_{sa}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l}_{ik} \wedge$

$D+j_{sa}-\mathbf{n} < \boldsymbol{l}_{sa} \leq D+\boldsymbol{l}_{ik}+j_{sa}-\mathbf{n}-j_{sa}^{ik} \wedge$

$D+j_{sa}-\mathbf{n} < \boldsymbol{l}_{sa} \leq D+\boldsymbol{l}_s+j_{sa}-\mathbf{n}-1) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l}_s = 1 \wedge \boldsymbol{l}_s \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_{sa}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l}_{ik} \wedge$

$D+j_{sa}^{ik}-\mathbf{n} < \boldsymbol{l}_{ik} \leq D+\boldsymbol{l}_s+j_{sa}^{ik}-\mathbf{n}-1 \wedge$

$D+s-\mathbf{n} < \boldsymbol{l}_{ik} \leq D+\boldsymbol{l}_{s}+s-\mathbf{n}-j_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l}_s = 1 \wedge \boldsymbol{l}_s \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_{sa}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l}_{ik} \wedge$

$D+j_{sa}-\mathbf{n} < \boldsymbol{l}_{sa} \leq D+\boldsymbol{l}_s+j_{sa}-\mathbf{n}-1) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l}_s = 1 \wedge \boldsymbol{l}_s \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l}_{sa}-j_{sa}+1 > \boldsymbol{l}_s \wedge$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\mathbf{s}\colon \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \mathbf{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s} $$

$$ \sum_{n_i=\mathbf{n}}^{n} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot $$

$$ \frac{(\mathbf{l_{sa}} - j_{sa})!}{(\mathbf{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \mathbf{l_{sa}} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l_{sa}})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} $$

$$ \frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \mathbf{n} - \Bbbk - j_{sa}^{s})! \cdot (\mathbf{n} - s)!} \cdot $$

$$ \frac{(D - \mathbf{l_i})!}{(D + s - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - s)!} $$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-\text{[illegible]}+1)}^{(\ )} \sum_{j^{sa}=\text{[illegible]}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{([illegible])}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j_s[illegible]} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{([illegible])}$$

$$\frac{(n_{is}[illegible]s-\mathbb{k})[illegible]}{(n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-[illegible])!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n$ [illegible] $> D -$ [illegible] $+ 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa}$ [illegible] $1 \wedge$

$j_s + j_{sa}$ [illegible] $1 \leq j^{sa} \leq \boldsymbol{n}$ [illegible] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} +$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l_s}$ [illegible] $j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D$ [illegible] $n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa}$ [illegible] $\wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}$: [illegible] $j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot \frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j^{ik}_{sa}+1)}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s} \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot \frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot \frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j^{\text{[illegible]}})!}\cdot$$

$$\frac{(\text{[illegible]}-2)!}{(\boldsymbol{l_s}-j_s\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}\text{[illegible]})!\cdot(j^{\text{[illegible]}}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}\text{[illegible]}_{\boldsymbol{sa}}-s)!}{(\text{[illegible]}j^{sa}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} + j_{sa} - \text{[illegible]})!} \right) -$$

$$\sum_{k=1} \sum_{(j_s = \text{[illegible]} - j_{sa} + \text{[illegible]})}^{(\ )} \sum_{\boldsymbol{l_i} = \text{[illegible]} j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + \text{[illegible]} - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ [illegible] $> D$ [illegible] $+ 1 \wedge$

2 [illegible] $j_s \leq$ [illegible] $^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} -$ [illegible] $\leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_i + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}+1\wedge$

$\boldsymbol{s}:\{\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge S=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\left(\sum_{k=1} \sum_{(j_s=[illegible]-D)}^{(j^{sa}[illegible])} \sum_{j^{sa}=\boldsymbol{l_{sa}}+[illegible]}^{\boldsymbol{n}+[illegible]-s}\right.$$

$$\sum_{[illegible]=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=[illegible]+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=[illegible]-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\ \mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\ \mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{ik}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa}^{ik},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1}^{\ldots} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-\ldots)}^{(\boldsymbol{l_{sa}}\ldots-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{[illegible]+1}\ \sum_{(j_{is}=[illegible]+\boldsymbol{n}-D-s+1)}^{([illegible]-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} + \mathbb{k} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} $$

$$ \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )} $$

$$ \frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}^{o}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-[illegible])}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-[illegible])!}{(\boldsymbol{l_s}-[illegible])!\cdot([illegible]-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})[illegible]}{(D+j^{sa}+s-\boldsymbol{n}-[illegible]-j_{sa})!\cdot([illegible]j_{sa}-j^{sa}-[illegible])!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge [illegible]+j_{sa}-s>[illegible] \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 [illegible]$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,[illegible]\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=[illegible]+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1[illegible])}^{[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-[illegible]}^{[illegible]}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{[illegible])}$$

$$\frac{(n_{is}[illegible]s-\ \Bbbk)!}{(n_{is}+[illegible]-\boldsymbol{n}-\ \Bbbk-[illegible])!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n[illegible]>D-[illegible]+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}[illegible]1\wedge$

$j_s+j_{sa}[illegible]1\leq j^{sa}\leq[illegible]j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+[illegible]\boldsymbol{l_s}\wedge\boldsymbol{l_s}[illegible]j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D[illegible]n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j^{i}_{sa}-[illegible]\wedge j^{s}_{sa}=j_{sa}-1\wedge$

$[illegible]j_{sa},\cdots,j^{i}_{sa}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$D > \boldsymbol{n} < n$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
-
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S^{o}_{j_s,j_{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-[illegible])}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_s^{[illegible]}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-[illegible])!}{(\boldsymbol{l_s}-[illegible])!\cdot([illegible]-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})[illegible]}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_{[illegible]}-j_{sa})!\cdot(\boldsymbol{n}[illegible]j_{sa}-j^{sa}-[illegible])}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=[illegible]\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{[illegible]}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=[illegible]+\Bbbk\wedge$

$\Bbbk_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\cdots)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-\cdots-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}\cdots)}^{(\ )}\ \sum_{\cdots j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-\cdots}^{\boldsymbol{n}+j_{sa}\cdots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}\cdots-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s\cdots j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{i}\cdots s-\mathbb{k})!}{(n_{is}\cdots-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\cdots j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \cdots < n \wedge \boldsymbol{l_s} > D \cdots \boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j\cdots - 1 \leq j\cdots + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \cdots = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} \cdots \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} + \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\text{[illegible]}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-\text{[illegible]}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-\Bbbk)}^{(\text{[illegible]}}$$

$$\frac{(n_{is} - s - \text{[illegible]})!}{(n_{is} + j_s - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} + \text{[illegible]} - s - j_s)!}$$

$$\frac{(\text{[illegible]})!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l_i})!}{(D + j^{sa}\,\text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - \text{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + \text{[illegible]} \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s\,\text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa} + \text{[illegible]} > \boldsymbol{l_s} \wedge \text{[illegible]} + j^{ik}_{sa} - j_{sa} = \text{[illegible]}\,\boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \text{[illegible]}\,\Bbbk \geq 0\,\text{[illegible]}$

$j_{sa} \leq \text{[illegible]} - 1 \wedge j^{s}_{sa} = \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \Bbbk, j_s\,\text{[illegible]}, j^{i}_{sa}\} \wedge$

$s \geq \text{[illegible]} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1)$

$${}_{fz}S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(j^{s}_{sa}=j^{sa}-j_{sa}+1)} \sum_{\boldsymbol{l}_{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j^{s}_{sa})! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$\boldsymbol{l_i} \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\ [illegible])!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-[illegible]s+1)}^{(\boldsymbol{n}-s+[illegible]}\ \sum_{j^{sa}=j_s+j_{s}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ \ )}$$

$$\frac{(n_{i}[illegible]s-\ \Bbbk)!}{(n_{is}[illegible]-\boldsymbol{n}-[illegible]-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D[illegible]\boldsymbol{n}<n\land\boldsymbol{l_s}>[illegible]-\boldsymbol{n}+[illegible]\land$

$[illegible]\leq j_s\leq j[illegible]-j_{sa}+1$

$j_s+[illegible]-1\leq j[illegible]+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+[illegible]=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\lor$

$[illegible]\geq\boldsymbol{n}[illegible]\land\boldsymbol{l_s}>D-\boldsymbol{n}+1\land$

$2\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\land$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_{sa}-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-\boldsymbol{n}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}[illegible])!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$ [illegible]

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1$ [illegible]

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j^{sa}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-[illegible]+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+[illegible]-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{[illegible]}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{[illegible]=j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_s = j_{sa}+1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{ik}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq s \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\ )} \sum_{(\ldots-j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,\ldots}^{İsa} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{\text{[illegible]}}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{s\text{[illegible]}}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]})!}{(j_s-2)!\cdot(\text{[illegible]}n_{is}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-\text{[illegible]}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}-j^{\text{[illegible]}})!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{(n_{sa}+\text{[illegible]}-\boldsymbol{n}-1\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}\text{[illegible]}j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\text{[illegible]}-j_{sa}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}\text{[illegible]}j^{sa}-\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İso}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\ldots\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\ldots-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\text{[illegible]}s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-\text{[illegible]}s)!}-$$

$$\sum_{k=1}\ \sum_{\text{[illegible]}\boldsymbol{l_i}+\boldsymbol{n}\text{[illegible]}1)}^{(\boldsymbol{n}-s+\text{[illegible]}}\ \sum_{\text{[illegible]}j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{(n_{is}-s-\ \mathbb{k})!}{(n_{is}+\text{[illegible]}-\boldsymbol{n}-\ \mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\text{[illegible]}>1\wedge\text{[illegible]}_{sa}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\text{[illegible]}j_s\leq\text{[illegible]}^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-\text{[illegible]}\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}\text{[illegible]}j_{sa}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{İso}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S^{IS}_{j_s,j^{sa}} = \left(\sum_{k=1}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{iso}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\text{[illegible]} j_{sa}^{ik}+1)} \sum_{\text{[illegible]}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\text{[illegible]}}$$

$$\sum_{\text{[illegible]}}^{n} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\text{[illegible]} n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}-j_{sa}-j^{sa}-[illegible])!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\ldots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\ \sum_{(j_s=[illegible])}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible])}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+[illegible]}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} + j_{sa} - \text{[illegible]})!}\right) -$$

$$\sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]})} \sum_{(j \text{[illegible]} + \boldsymbol{n} - D \text{[illegible]})} \sum_{j^{s} \text{[illegible]} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + \text{[illegible]} - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \text{[illegible]} 1 \text{[illegible]}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \text{[illegible]} j_s \leq \text{[illegible]}^{a} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \text{[illegible]} \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{s}\text{[illegible]}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s\text{[illegible]})}^{(n_i-j_s+1)} \sum_{n_{sa}=\text{[illegible]}j^{sa}+1}^{n_i\text{[illegible]}j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\text{[illegible]} - n_{is} - 1)!}{(j_s - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + \text{[illegible]})!} \cdot$$

$$\frac{(n_{is} \text{[illegible]} - 1)!}{(j^{\text{[illegible]}} - j_s - 1)\text{[illegible]} (n_{is} + j_s \text{[illegible]} - j^{sa})!} \cdot$$

$$\frac{(\text{[illegible]} - 1)!}{(n_{sa} \text{[illegible]} j^{sa} - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \text{[illegible]}\boldsymbol{_{a}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D \text{[illegible]} j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\quad)}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}-\Bbbk)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}+\Bbbk-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{j}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s-\boldsymbol{l_s}+\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} \geq$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \mathbb{k}, j_s, \ldots, j_{sa}^i\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa}$ [illegible] $s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq$ [illegible] $+$ [illegible] $- \boldsymbol{n})\big)$ [illegible]

$(D \geq \boldsymbol{n} < n \wedge$ [illegible] $\Bbbk \geq 0$ [illegible]

$j_{sa} \leq$ [illegible] $- 1 \wedge j_{sa}^{s} =$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk,$ [illegible] $, j_{sa}^{i}\} \wedge$

$s \geq$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1)$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{\text{I}}so} = \Bigg(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk} $$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{\Bbbk=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa})}\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\Bbbk=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right)$$

$$\sum_{\text{[illegible]}=1} \sum_{(j_s = \text{[illegible]} j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\text{[illegible]} j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \text{[illegible]} j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n}$ [illegible] $1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa} -$ [illegible] $\wedge j_{sa}^{s} =$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots,$ [illegible] $\} \wedge$

$s \geq$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z : z = 1)$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\left(\sum_{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+[illegible]}^{[illegible]a}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{[illegible]} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=[illegible]-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İ}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \quad \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk, j_{sa}, \cdots, j_{sa}^i \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - [\text{illegible}] j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s [\text{illegible}] - 1}^{[\text{illegible}]} \right. $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s = 2)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right. $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_s-s > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+1 \wedge$

$\Bbbk_z : z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+\text{[illegible]}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\text{[illegible]}}^{n}\sum_{\text{[illegible]}=\boldsymbol{n}+\text{[illegible]}j_s+1)}^{(\text{[illegible]}j_s+1)}$$

$$\sum_{n_{ik}\text{[illegible]}^{ik}}\sum_{(n_{sa}=\text{[illegible]}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}\text{[illegible]}-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}\text{[illegible]}\mathbb{k}-j_{sa}^{s}\text{[illegible]}(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D\text{[illegible]}+1 \land$

$1 \leq j\text{[illegible]} \leq j^{sa} - j_{sa}\text{[illegible]}1 \land$

$j_s\text{[illegible]}j_{sa} - 1 \leq\text{[illegible]}^{sa} \leq \boldsymbol{n}\text{[illegible]} - s \land$

$\boldsymbol{l_{ik}}\text{[illegible]}j_{sa}^{ik} + 1 = \boldsymbol{l_s}\text{[illegible]} + j_{sa}^{ik}\text{[illegible]} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$D + s\text{[illegible]} < \boldsymbol{l_i} \leq D +\text{[illegible]} + s - \boldsymbol{n} - j_{sa} \land$

$(D \geq \boldsymbol{n} < n\text{[illegible]}\mathbb{k}\text{[illegible]}0 \land$

$j_{sa} \leq j_{sa}^{i}\text{[illegible]}1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k},\text{[illegible]}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\ldots)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ldots-\boldsymbol{l_{sa}}-\ldots)!}{(D+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\ldots j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\ldots j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\ \Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\ \Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<\ldots\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}-j_s+j^{sa}-\Bbbk}$$

$$\frac{(n_i-\boldsymbol{n}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$f^{s\dot{I}SO}_{z,j_s,j^{sa}}=\sum_{k=1}^{\ldots}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s}^{\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\mathbf{n}-\Bbbk-j_{sa}^{s})!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s > \mathbf{l_{sa}} \wedge$

$\mathbf{l_i} \leq D+s-\mathbf{n} \wedge$

$(D \geq \mathbf{n} < n) \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\mathbf{s}:\{j_{sa}^{s}, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \mathbf{s}=s+\Bbbk \wedge$

$\Bbbk_z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - [illegible])!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - [illegible] s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - [illegible] s)!} -$$

$$\sum_{[illegible]1} \sum_{[illegible]}^{(\boldsymbol{l_{sa}} - [illegible] + 1)} \sum_{[illegible] j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + [illegible]}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + [illegible] - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge [illegible] > 1 \wedge [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 [illegible] j_s \leq [illegible]^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon\{j^s_{sa}, \Bbbk, j_{sa}, \cdots, j^i_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}-j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-\Bbbk-j^{sa})!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\;)} $$

$$ \frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^s_{sa})!\cdot(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=[illegible]} \sum_{(j=[illegible]j_{sa}+1)}^{([illegible])} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\quad)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_s \text{[illegible]} - j^{sa} - s)!}$$

$$\sum_{\text{[illegible]}} \sum_{(j_s = j^{sa} \text{[illegible]} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\text{[illegible]} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \text{[illegible]} \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$\text{[illegible]} j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\text{[illegible]})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-\text{[illegible]}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}\text{[illegible]})}\ \sum_{j^{sa}=j_s+j_{sa}\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}\text{[illegible]}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}\text{[illegible]}j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n\text{[illegible]}s-\mathbb{k})!}{(n_{is}+\text{[illegible]}-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq$ [illegible] $< n \wedge \boldsymbol{l_s} > 1$ [illegible] $\leq D -$ [illegible] $\boldsymbol{n} + 1 \wedge$

[illegible] $\leq j_s \leq$ [illegible] $- j_{sa} + 1$

$j_s +$ [illegible] $- 1 \leq$ [illegible] $\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ [illegible] $> \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

[illegible] $+ j^{ik}$ [illegible] $< \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik} \text{[illegible]}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}=\boldsymbol{n}+\text{[illegible]} j_s+1)}^{(\text{[illegible]} j_s+1)}$$

$$\sum_{n_{ik}=\text{[illegible]}+j_{sa}\text{[illegible]}^{ik}} \sum_{(n_{sa}=\text{[illegible]} j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} \text{[illegible]} - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} \text{[illegible]} \mathbb{k} - j_{sa}^{s} \text{[illegible]} (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \text{[illegible]} \boldsymbol{l_i})!}{(D + j^{sa} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \text{[illegible]} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} \text{[illegible]} 1 \wedge$

$j_s \text{[illegible]} j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + \text{[illegible]} - s \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]} j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} \text{[illegible]}_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + j_{sa}^{ik} \text{[illegible]} < \boldsymbol{l_{ik}} \leq D \text{[illegible]} \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge \text{[illegible]} \mathbb{k} \text{[illegible]} 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \text{[illegible]} 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$s \colon \{ j_{sa}^{s}, \mathbb{k} \text{[illegible]}, \cdots, j_{sa}^{i} \} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z \colon z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\text{[illegible]}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1\text{[illegible]})}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}} \sum_{(n_{sa}=n_{ik}+j_{sa}\text{[illegible]}-\mathbb{k})}^{(\text{[illegible]}}$$

$$\frac{(n_{is} - s - \mathbb{k}\text{[illegible]}}{(n_{is} + j_s - \boldsymbol{n} - \text{[illegible]} - j_{\text{[illegible]}})! \cdot (\boldsymbol{n} + \text{[illegible]} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}\text{[illegible]})!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D + j^{sa} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j\text{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s}\text{[illegible]} D - \boldsymbol{n} + \text{[illegible]}$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{s\text{[illegible]}} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})$

$(D \geq \text{[illegible]} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{\text{[illegible]}} - j_{sa} + 1 \text{[illegible]}$

$j_s + \text{[illegible]} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \text{[illegible]} s - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{s}\text{[illegible]}j_{sa}+1}^{\text{[illegible]}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\text{[illegible]})}$$

$$\sum_{n_{ik}\text{[illegible]}_{is}+j_{sa}^{s}-j\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{(n_{is}\text{[illegible]}s-\Bbbk\text{[illegible]}}{(n_{is}+\text{[illegible]}-\boldsymbol{n}-\Bbbk-\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big(($[illegible]$D \geq \boldsymbol{n} <$ [illegible] $\boldsymbol{l_s} > 1$ [illegible] $\leq D-\boldsymbol{n}+1$ [illegible]$\wedge$

$1 \leq$ [illegible] $\leq j^{sa}-j_{sa}$ [illegible] $1 \wedge$

[illegible]$_s + j_{sa}$ [illegible] $1 \leq j^{sa} \leq \boldsymbol{n}$ [illegible] $j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l}$ [illegible] $j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i}$ [illegible] $-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} <$ [illegible] $\boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

[illegible] $j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-2)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} \text{[illegible]}}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j$ [illegible] $j_{sa} >$ [illegible] $\wedge \boldsymbol{l_i} +$ [illegible] $- s >$ [illegible] $\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}}$ [illegible] $j_{sa} - \boldsymbol{n} - j$ [illegible] $\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\mathbb{k} \geq 0 \wedge$

j [illegible] $\leq j_{sa}^{i} -$ [illegible] $j_{sa}^{s} = j$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j$ [illegible] $\wedge$

$s \geq 3$ [illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$ [illegible]

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\text{[illegible]}+\boldsymbol{n}-D-\text{[illegible]})}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]})}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\ \sum_{(\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\text{[illegible]}-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I=\Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{s}=j_{sa}-1 \land$

$\boldsymbol{s}\colon\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s}=s+\Bbbk \land$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - \dots}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} \dots}^{n} \sum_{\dots = \boldsymbol{n} + \dots j_s + 1)}^{(\dots j_s + 1)}$$

$$\sum_{n_{ik} \dots} \sum_{(n_{sa} = \dots + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - \dots s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} \dots \Bbbk - j_{sa}^{s} \dots)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} \dots - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{[illegible]} \sum_{(j^{sa}=[illegible] - j_{sa} + [illegible])}^{[illegible]} \sum_{\boldsymbol{l_{sa}}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{[illegible]+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n) \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$[illegible] j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$[\text{illegible}]_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=n_{is}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 >$ [illegible] $\wedge \boldsymbol{l_{sa}} +$ [illegible] $- j_{sa}$ [illegible] $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \Bbbk \geq$ [illegible] $\wedge$

$j_{sa} \leq$ [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_s, \ldots, j_{sa}^{i}\} \wedge$

[illegible] $2 \wedge$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{[illegible]}^{[illegible]}\ \sum_{(j_s=[illegible]-D-j_{sa}+1)}^{[illegible]\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\text{[illegible]})!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\text{[illegible]}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-\text{[illegible]})!\cdot(j_s-2)!}$$

$$\frac{(D\text{[illegible]})!}{(D+j^{sa}+s-\boldsymbol{n}\text{[illegible]}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$ [illegible]

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} +$ [illegible] $- s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik}$ [illegible] $= \boldsymbol{l_{ik}} \wedge$

$D + j$[illegible] $- \boldsymbol{n} < \boldsymbol{l_{ik}}$ [illegible] $D + \boldsymbol{l_s} + j_{sa}^{ik}$ [illegible] $- 1$ [illegible]

[illegible] $\geq \boldsymbol{n} < n$ [illegible] $= \Bbbk \geq$ [illegible] $\wedge$

j_{sa} [illegible] $j_{sa}^{i} - 1 \wedge j_{sa}^{s}$ [illegible] $j_{sa} - 1$ [illegible]

$\boldsymbol{s}$: $\{j_{sa}^{s},$ [illegible] $,\cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} =$ [illegible] $\Bbbk \wedge$

$\Bbbk$ [illegible] $=$ [illegible] $\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j\ [illegible])!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}\ [illegible]\ s)!\cdot([illegible]-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$[illegible] = \left(\sum_{[illegible]} \sum_{(j_s [illegible])}^{(\ )} \sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{([illegible]_i - n_{sa} - 1)!}{(j^{sa} - [illegible])! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-1)!}{(n_i+j_s-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-j^{ik}_{sa}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j^{ik}_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$[illegible] = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot\right.$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}[illegible]j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-[illegible])!}{(n_i+j_s-\boldsymbol{n}-\Bbbk[illegible])!\cdot[illegible]-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-[illegible]-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-[illegible])!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j[illegible]=\boldsymbol{l_{ik}}\wedge[illegible]j_{sa}-s>[illegible]\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{s}[illegible]j_{sa}-1\wedge$

$\boldsymbol{s}[illegible]\{j_{sa}^{s},\Bbbk,j_{sa}[illegible],j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk$

$\Bbbk_z:z=[illegible])\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j^{sa})!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j^{sa})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge D+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_s=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\ldots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s-s-\Bbbk-j^{sa})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j^{sa})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},j_{sa}^{ik},j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_s \ldots} \ldots$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_s=\ldots+j_{sa}^{ik}-j_{sa}-\mathbb{k}} \ldots$$

$$\frac{(n_i + j_s \ldots - \mathbb{k} - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \mathbb{k} \ldots j_{sa}^{s})! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(D - \ldots)!}{(\ldots + s - \boldsymbol{n} - \ldots)! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{[illegible]j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{n}+[illegible]_{a}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i[illegible]+1)}$$

$$\frac{(n_i [illegible])!}{[illegible](j^{sa}-2)[illegible](n_i - n_{sa} [illegible]+1)!} \cdot$$

$$\frac{(n_{[illegible]}-1)!}{(n_{sa} + [illegible]^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + [illegible] - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i + j_s - s - \mathbb{k} - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{n_{sa}=\boldsymbol{n}+\Bbbk-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa} \le j_{sa}^i - 2 \wedge j_{sa}^s = j_{sa}^i - 1 \wedge$

$\boldsymbol{s}:\{j_s, j_{sa}, \cdots, j_{sa}^i\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j^{sa}=\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} \frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-
$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+[illegible]-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-[illegible]}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s}[illegible]\cdot(\boldsymbol{n}+j_{sa}[illegible]-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-[illegible])!\cdot(j_s-2)!}$$

$$\frac{(D[illegible])!}{(D+j^{sa}+s-\boldsymbol{n}[illegible]\boldsymbol{l}_i-j_{sa})[illegible](\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + [illegible] - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} [illegible] j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = [illegible] > 0 \wedge$

$j[illegible] \leq j_{sa}^{i} - [illegible] j_{sa}^{ik} = j_{s}[illegible] 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, [illegible] j_{sa}^{i}\} \vee \boldsymbol{s}: \{[illegible], j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge [illegible] = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D\cdots+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D\cdots)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\cdots}^{\boldsymbol{n}+\cdots-s}\right.$$

$$\sum_{\cdots=\boldsymbol{n}+\Bbbk}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} + j_{sa} - \text{[illegible]})!}\Bigg) -$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(\text{[illegible]} \boldsymbol{l}_i + \boldsymbol{n} - \text{[illegible]})}^{(\boldsymbol{n} - s + \text{[illegible]})} \sum_{j^{\text{[illegible]}} \text{[illegible]} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j^s_{sa} - j^{ik}_{sa}} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + \text{[illegible]} - \boldsymbol{n} - \Bbbk - j^s_{sa})! \cdot (\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \text{[illegible]} > D \text{[illegible]} + 1 \wedge$

$2 \text{[illegible]} j_s \leq \text{[illegible]}^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \text{[illegible]} \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{\text{[illegible]}}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^s_{sa}, \cdots, \Bbbk, j_{sa}, \cdots, j^i_{sa}\} \vee \boldsymbol{s}: \{j^s_{sa}, \cdots, j^{ik}_{sa}, \Bbbk, j_{sa}, \cdots, j^i_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - \text{[illegible]}}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{\text{[illegible]} = \boldsymbol{n} + \text{[illegible]} j_s + 1)}^{(\text{[illegible]} j_s + 1)}$$

$$\sum_{n_{ik} = \text{[illegible]} + j_{sa} \text{[illegible]} ik} \sum_{(n_{sa} = \text{[illegible]} j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} \text{[illegible]} - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} \text{[illegible]} \mathbb{k} - j_{sa}^{s} \text{[illegible]} (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \text{[illegible]} \boldsymbol{l_i})!}{(D + j^{sa} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$ [illegible]

$2 \leq j$ [illegible] $\leq j^{sa} - j_{sa}$ [illegible] $\wedge$

j_s [illegible] $j_{sa} - 1 \leq$ [illegible] $\leq \boldsymbol{n} +$ [illegible] $- s \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik}$ [illegible] $= \boldsymbol{l_{ik}} \wedge$

[illegible] $D \geq \boldsymbol{n}$ [illegible] $\wedge I = \mathbb{k} >$ [illegible] $\wedge$

$j_{sa} \leq j^{i}$ [illegible] $- 1$ [illegible] $- 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots,$ [illegible] $j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

[illegible] $\geq 4 \wedge \boldsymbol{s}$ [illegible] $s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\ldots+\boldsymbol{n}-D-j_s\ldots}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\ldots - \boldsymbol{l_s} - j_{sa} + \ldots)!}{(\ldots + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(\ldots + j_{sa} - \ldots - s)!}{(D + j^{sa} - \boldsymbol{n} - \ldots)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum \sum_{(j_s=\ldots+\boldsymbol{n}-D-s+1)}^{(\ldots-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j_{sa}}^{İS} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}\cdots}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-\cdots-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(\cdots-1)!}{(n_{\cdots}+j^{sa}-\boldsymbol{n}\cdots1)!\cdot(\boldsymbol{n}-j^{s\cdots})!}\cdot$$

$$\frac{(\boldsymbol{l_s}\cdots2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\cdots-\boldsymbol{l_s}-j\cdots+1)!}{(\cdots+\boldsymbol{l_{sa}}-j^{sa}\cdots)!\cdot(j^{s\cdots}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D\cdots j^{sa}\cdots\boldsymbol{l}\cdots)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$p_{j_s, j^{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^s_{sa}-j_s}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j^s_{sa})!\cdot(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D-\boldsymbol{n})<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j^i_{sa}-1\wedge j^{ik}_{sa}=j_{sa}-1\wedge j^s_{sa}\leq j^{ik}_{sa}-1\wedge$

$\boldsymbol{s}:\{j^s_{sa},\cdots,\mathbb{k},j_{sa},\cdots,j^i_{sa}\}\vee\boldsymbol{s}:\{j^s_{sa},\cdots,j^{ik}_{sa},\mathbb{k},j_{sa},\cdots,j^i_{sa}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^s_{sa})!\cdot(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} \cdots}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{\cdots - j^{sa} + 1}^{n_{is} + j_s - j^{sa} \cdots}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}^{\ iSO}S_{j_{sa}}=\sum_{k=1}^{()}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\ \Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\ \Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge D+j_{sa}-s>\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_{sa}^{s}-\boldsymbol{n}-\mathbb{k}-j_s)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_i} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-j_{sa}-\boldsymbol{l_s}+s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = \text{[illegible]} + \boldsymbol{n} - D)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = \text{[illegible]} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{\text{[illegible]} = \boldsymbol{n} + \mathbb{k} \text{[illegible]}}^{(n_i - j_s + \text{[illegible]}} \sum_{\text{[illegible]} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} \text{[illegible]}}$$

$$\frac{(\text{[illegible]} - n_{is} - 1)!}{(\text{[illegible]} - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \text{[illegible]} - \mathbb{k} - 1)!}{(j^{sa} - \text{[illegible]} - 1)! \cdot (n\text{[illegible]} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\text{[illegible]}j_{sa},\cdots,j_{sa}^{i}\}$ [illegible]

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}=\sum_{\text{[illegible]}=1}\sum_{(j_s=\boldsymbol{l_{ik}}\text{[illegible]}D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}\text{[illegible]}}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+[illegible]-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-[illegible])!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s}[illegible])!\cdot(\boldsymbol{n}+j_{sa}[illegible]-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-[illegible])!\cdot(j_s-2)!}$$

$$\frac{(D-[illegible])!}{(D+j^{sa}+s-\boldsymbol{n}-[illegible]-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + [illegible] - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} [illegible] > \boldsymbol{l_{ik}} \wedge \boldsymbol{l}[illegible] + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = [illegible] > 0 \wedge$

$j[illegible] \leq j_{sa}^{i} - [illegible]\ j_{sa}^{ik} = j_{s}[illegible] - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j^{s}[illegible], \cdots, \mathbb{k}, j_{sa}, \cdots [illegible] \} \vee \boldsymbol{s}: \{ [illegible], j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \} \wedge$

$s \geq 4 \wedge [illegible] = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathrm{i}so} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} < \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_s-s = \boldsymbol{l_s} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s},\cdots,$ [illegible] $j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$$S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}^{(\ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{[illegible]}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{[illegible])}$$

$$\frac{(n_{is}[illegible]-s-\mathbb{k})[illegible]}{(n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n[illegible]>D-[illegible]+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}[illegible]1\wedge$

$j_s+j_{sa}[illegible]1\leq j^{sa}\leq\boldsymbol{n}[illegible]j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+[illegible]\boldsymbol{l_s}\wedge\boldsymbol{l_s}[illegible]j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D[illegible]<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-[illegible]\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{[illegible],\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$ {}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}=j_{sa}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$ {}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{n})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_{sa}}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} $$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$f_z{}^{İSO}{}_{j^{sa}} = \sum_{k=1} \sum_{(j^s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=[illegible]+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{([illegible]1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}[illegible]s-\mathbb{k})!}{(n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{j^{sa} = \boldsymbol{l_s} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \ldots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \ldots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \ldots s)!}{(D + j^{sa} - \boldsymbol{n} \ldots)! \cdot (\boldsymbol{n} + j_s \ldots - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(\ldots_{sa} + \boldsymbol{n} - D - \ldots + 1)}^{\ldots - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < \ldots \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$\ldots j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} = j_s - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} $$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l_{sa}}-j_s-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum \sum_{(j_s=j^{s}\ldots-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\ \Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\ \Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}[illegible]+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}[illegible]}\sum_{(n_{sa}=n_{ik}+[illegible]-\Bbbk)}^{([illegible])}$$

$$\frac{(n_{is}-s-[illegible])}{(n_{is}+j_s-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}+[illegible]-s-j_s)!}$$

$$\frac{([illegible])!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{([illegible]\boldsymbol{l_i})!}{(D+j^{sa}[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq[illegible]+j_{sa}-[illegible]\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s[illegible]$

$\boldsymbol{l_{ik}}-j_{sa}+[illegible]=\boldsymbol{l_s}\wedge[illegible]+j_{sa}^{ik}-j_{sa}>[illegible]$

$(D\geq\boldsymbol{n}<n\wedge[illegible]\Bbbk>0[illegible]$

$j_{sa}\leq[illegible]-1\wedge j_{sa}^{ik}=[illegible]-1\wedge j_{sa}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,[illegible]_{sa},\cdots,j_{sa}^{i}[illegible]\}[illegible]\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq[illegible]=s+\Bbbk\wedge$

$\Bbbk_z:z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - [illegible])!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - [illegible] + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s [illegible] + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - [illegible])!}{(D + j^{sa} - \boldsymbol{n} - [illegible])! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \Bigg)$$

$$\sum_{[illegible]1}^{[illegible]} \sum_{(j_s = j^{s[illegible]}+1)}^{(\ )} \sum_{j^{sa} = j_{sa}+1}^{[illegible]a - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$[illegible] j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge s>1\wedge \boldsymbol{l_i}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\leq\boldsymbol{l_s}\wedge\boldsymbol{l_{ik}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}=j_{sa}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}[illegible]}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-[illegible]-\Bbbk)!}\cdot$$

$$\frac{([illegible]-1)!}{(n[illegible]+j^{sa}-\boldsymbol{n}[illegible])!\cdot(\boldsymbol{n}-j^{sa}[illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{([illegible]-\boldsymbol{l_s}-[illegible]+1)!}{([illegible]+\boldsymbol{l_{sa}}-j^{sa}-[illegible])!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-[illegible]\boldsymbol{_{sa}}-s)!}{(D[illegible]j^{sa}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \vee \boldsymbol{s}: \left\{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S^{İSO}_{fz_{j_s}, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_{ik}} - j^{ik}_{sa})} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s = 2)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \cdot$$

$$\sum_{k=1}^{[illegible]} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible]+1)}^{([illegible]k-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{[illegible]_{sa}-s}$$

$$\sum_{[illegible]}^{n} \sum_{([illegible]=\boldsymbol{n}+\Bbbk-j_s+1)}^{([illegible]_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j^{s}_{sa})!\cdot(\mathbf{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}-j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j^{ik}_{sa} - \mathbf{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \mathbf{n} - 1 \wedge$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge \mathbf{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{\text{iso}}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\mathbf{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\ [illegible])!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]-s)!}\right)$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+[illegible])}^{(\ )}\ \sum_{[illegible]^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-[illegible]}^{\boldsymbol{l_s}+j_{sa}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{i}[illegible]s-\mathbb{k})!}{(n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > 1 [illegible] \leq D - [illegible]\boldsymbol{n} + 1 \wedge$

$[illegible] \leq j_s \leq j[illegible] - j_{sa} + 1$

$j_s + [illegible] - 1 \leq j[illegible] + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$[illegible] + j^{ik} [illegible] < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = n_{is} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İ}so}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+\cdots}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\cdots}^{n}\ \sum_{\cdots=\boldsymbol{n}+\cdots j_s+1)}^{(\cdots j_s+1)}$$

$$\sum_{n_{ik}\cdots j^{ik}}\ \sum_{(n_{sa}=\cdots+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}\cdots-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}\cdots\mathbb{k}-j^{s}_{sa}\cdots)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\cdots\boldsymbol{l_i})!}{(D+j^{sa}\cdots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j^{ik}_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{is} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ldots)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\ldots)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\ldots-\boldsymbol{n}-\boldsymbol{l_i}-j_{\ldots})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j_{sa}} = \left(\sum \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-[illegible])!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j^{s}_{sa}[illegible])!\cdot(\boldsymbol{n}+j_{sa}[illegible]-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j^{ik}_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s,\cdots}^{\cdots} = \left(\sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\text{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\text{[illegible]})!}{(\text{[illegible]}-j_s)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l}_{\text{[illegible]}}-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{s\text{[illegible]}}\text{[illegible]}\boldsymbol{l_s})!\cdot(\text{[illegible]}-j_s\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{a}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\quad)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}$ [illegible] $\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq$ [illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1}\right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = \boldsymbol{l_s} + j_{sa}}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - [illegible])!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - [illegible] + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s [illegible] + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - [illegible])!}{(D + j^{sa} - \boldsymbol{n} - [illegible])! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg)$$

$$\sum_{k=1}^{[illegible]} \sum_{(j^{s}_{sa} = j^{sa} - j_{sa} + 1)}^{[illegible]} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{[illegible]1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j^{s}_{sa})! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < [illegible]) \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$[illegible]\, j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1} \right. $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\sum_{(j_s=\text{[illegible]})}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-\text{[illegible]})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\text{[illegible]}}^{\boldsymbol{n}+\text{[illegible]}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s [illegible] j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}} [illegible])!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot([illegible]+j_{sa}-[illegible])!}\right)-$$

$$\sum_{k=1}\ \sum_{([illegible]\boldsymbol{l_i}+\boldsymbol{n}-[illegible])}^{(\boldsymbol{l_s})}\ \sum_{j^{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{([illegible]n_{is}+[illegible]-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge [illegible] > 1 \wedge [illegible]_s \leq D-\boldsymbol{n}+1 \wedge$

$1 [illegible] j_s \leq [illegible]^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-[illegible] \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=[illegible]j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_s-s > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+1 \wedge$

$\mathbb{k}_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{\dot{\imath}so}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+j_s+1}^{(\ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{(n_{sa}=\ +j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-j_s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} + j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + j_{sa} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{n} - \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathrm{i}so} = \sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-[illegible])!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{([illegible])!}{([illegible]-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{(D[illegible]-\boldsymbol{l_{sa}}-[illegible])!}{([illegible]+j^{sa}-\boldsymbol{n}-[illegible])!\cdot([illegible]j_{sa}[illegible]^{sa}-s)!}-$$

$$\sum_{k=1}^{[illegible]}\;\sum_{(j_s=[illegible]j_{sa}+1)}^{(\;)}\;\sum_{j^{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\;\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$[illegible]D \geq \boldsymbol{n} < [illegible] \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\!: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\!: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}\!: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} $$

$$ \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )} $$

$$ \frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$$S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0) \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} \leq j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s-\Bbbk \wedge$

$\Bbbk_z := \Bbbk \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\cdots}^{\cdots} \sum_{(j_s=2)}^{(\boldsymbol{l_i} - j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\cdots s}$$

$$\sum_{\cdots}^{\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\mathbf{n}-\Bbbk-j_{sa}^{s})!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l_{sa}} \leq D + \mathbf{l_{ik}} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \mathbf{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + \Bbbk) \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D}^{\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(n_{sa}-j_s+1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_s - s = \boldsymbol{l_s} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} + 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s} = s + 1 \land$

$\Bbbk_z : z = 1)$

$$_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\ldots)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\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}, $[illegible]$, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{j}S_{j_s}^{İso} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_i+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}-j^{sa}-\boldsymbol{n}+1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j^{ik}_{sa}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^i_{sa}-1 \wedge j^{ik}_{sa} = j_{sa}-1 \wedge j^s_{sa} \leq j^{ik}_{sa}-1 \wedge$

$\boldsymbol{s}: \{j^s_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^i_{sa}\} \vee \boldsymbol{s}: \{j^s_{sa}, \cdots, j^{\cdots}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{\cdots}_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{\dot{I}so}_{j_s,j^{sa}} \sum_{\cdots=1}^{\cdots} \sum_{(j_s=2)}^{(\cdots j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I=\mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{ik}=j_{sa}-1 \land j_{sa} \geq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}\!:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \lor \boldsymbol{s}\!:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s}=s+\mathbb{k} \land$

$\mathbb{k}_z\!: z \geq 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_s-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i} - \mathbb{k} \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_s - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 1 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\ldots=1}\ \sum_{(j_s\ldots)}^{(\boldsymbol{l_{ik}}-j\ldots 1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\ \Bbbk)!}{(n_{is}+\ldots-\boldsymbol{n}-\ \Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\land$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{\mathbb{k}_z}S_{j_s,j^{sa}}^{\text{İso}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D \text{[illegible]})} \sum_{j^{sa}=\text{[illegible]}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j_s^{sa} = j^{sa} - j_{sa} + 1)}^{\text{[illegible]}} \sum_{\text{[illegible]}^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\text{[illegible]}j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{\boldsymbol{n}} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{is} - s - \Bbbk)!}{(n_{is} + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < \text{[illegible]}) \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \text{[illegible]} j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z : z = 1) \Rightarrow$

$$S_{j_s,j^{sa}}^{i} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-\Bbbk)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 1 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}-s-1)!}{(n_{is}+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-s+1)}^{(\mathbf{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge$

$D+j_{sa}-\mathbf{n}<\mathbf{l_{sa}}\leq D+\mathbf{l_{ik}}+j_{sa}-\mathbf{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\mathbf{n}<\mathbf{l_{sa}}\leq D+\mathbf{l_s}+j_{sa}-\mathbf{n}-1)\vee$

$(D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İ}so} = \sum_{k=1}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible]\, j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{[illegible]} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\cdots-\boldsymbol{l_s}-\cdots+1)!}{(\cdots+\boldsymbol{l_{sa}}-j^{sa}-\cdots)!\cdot(j^{sa}\cdots-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, \cdots} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_s\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}\text{[illegible]}+j_{sa}^{ik}\text{[illegible]}j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s\text{[illegible]}-\Bbbk-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s\text{[illegible]}}\cdot$$

$$\frac{(D-\text{[illegible]})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i}\text{[illegible]}(\boldsymbol{n}-s)!}$$

$D\ge\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$1\le j_s\le j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_s\text{[illegible]}s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_s-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_i}\le D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1\wedge$

$(D\ge\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\le j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\text{[illegible]}j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\ge4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S^{\text{İso}}_{j_s,j^{sa}}=\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_s [illegible] D - j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n} [illegible]}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i [illegible] +1)}$$

$$\frac{([illegible] - n_{sa} - \Bbbk - [illegible])!}{([illegible] - 2)! \cdot ([illegible] - n_{sa} - [illegible] \Bbbk + 1)!} \cdot$$

$$\frac{([illegible] - 1)!}{(n_{sa} + [illegible]^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{([illegible]\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{s[illegible]} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge$ [illegible] $\Bbbk > 0 \wedge$

$j_{sa} \leq$ [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] $, \cdots, j_{sa}^{i}\}$ [illegible] $\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1)$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İso}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j^{sa} - 1 \wedge j_{sa}^{ik} = j^{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge \boldsymbol{n} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1)$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=\cdots+\boldsymbol{n}-D}^{\cdots+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}\cdots}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i\cdots+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i + j_s - s - \mathbb{k} - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}^{()} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -
$$

$$
\sum_{k=1}^{()} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}^{()} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \sum_{n_s=\boldsymbol{n}+\Bbbk} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(\;\; - j^{sa} - \Bbbk + 1)} \frac{(n_s - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_s - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{(n_i + j_s - s - \Bbbk - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=\text{[illegible]}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+\text{[illegible]}}$$

$$\sum_{\text{[illegible]}\boldsymbol{n}+\mathbb{k}}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(\text{[illegible]}j^{sa}-\mathbb{k}+1)}$$

$$\frac{(\text{[illegible]}-n_{sa}-\text{[illegible]}-1)!}{(j^{sa}-2)!\cdot(\text{[illegible]}-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge j_{sa} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + 1 \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\,)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\,)}\sum_{n_s=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+j_s-s-\mathbb{k}-j_{sa}^{s})!}{(n_i+j_s-\boldsymbol{n}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-n_i)!}{(D+s-\boldsymbol{n}-n_i)!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa} < j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s} = s + 1 \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}^{(\,)}\sum_{(j_s=1)}^{(\,)}\sum_{j^{sa}=j_{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\,)}\sum_{[illegible]+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i+j_s[illegible]-\Bbbk-j_{sa}^{s})[illegible]}{(n_i+j_s-\boldsymbol{n}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-[illegible]}\cdot$$

$$\frac{(D-[illegible])!}{([illegible]+s-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{[illegible]}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{[illegible]}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l}_{[illegible]}\leq D+\boldsymbol{l_{ik}}+j_{[illegible]}-\boldsymbol{n}-j_{sa}^{ik}[illegible]$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq[illegible]+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}[illegible])\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}_{[illegible]}=1\wedge\boldsymbol{l_s}[illegible]D-\boldsymbol{n}[illegible]1\wedge$

$1\leq[illegible]\leq j^{sa}-j_{sa}+[illegible]\wedge$

$j_s+j_{sa}-[illegible]\leq j^{sa}\leq\boldsymbol{n}[illegible]j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-[illegible]+1>\boldsymbol{l_s}[illegible]_{sa}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-[illegible]<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$[illegible]+s-[illegible]<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S[illegible]_{sa} = \sum_{k=1}^{[illegible]} \sum_{(j_s=[illegible])}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{[illegible]_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{[illegible]^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i + j_s - s - \mathbb{k} - j_{sa}^{s})!}{(n_i + j_s - \boldsymbol{n} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

354 $D > \boldsymbol{n} < n$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$^{*}D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j\text{[illegible]}+1)}^{(\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s\ [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s\ [illegible]\ j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\ [illegible])!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot([illegible]+j_{sa}-[illegible])!}\right)-$$

$$\sum_{k=1}^{[illegible]}\ \sum_{(j_s=[illegible]-j_{sa}+[illegible])}^{(\ )}\ \sum_{\boldsymbol{l_i}=[illegible]j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}\ [illegible]\ j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}\ [illegible]\ j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge [illegible]\ D\ [illegible]\ \boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{[illegible]a} - j_{sa} + 1 \wedge$

$[illegible] + j_{sa} - [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{[illegible]}} = \left(\sum_{k=1}^{\text{[illegible]}} \sum_{(j_s=\text{[illegible]}-j_{sa}+1)}^{(\text{[illegible]})} \sum_{j^{sa}=\text{[illegible]}\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\text{[illegible]}}\right.$$

$$\sum_{n_i=\text{[illegible]}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-[illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)![illegible](j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-[illegible]+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})![illegible](j^{sa}-j_s[illegible]+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-[illegible])!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\sum_{k=1}\ \sum_{(j_s[illegible]j^{sa}-j_{sa}+1[illegible])}\ \sum_{[illegible]^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}[illegible]_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n[illegible]\boldsymbol{l_s}>D-\boldsymbol{n}+1\land$

$[illegible]j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\land$

$(D\geq\boldsymbol{n}<n\land I=\Bbbk=0\land$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-s+1}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s\ldots)}^{(n_i-j_s+1)}\sum_{\ldots=\boldsymbol{n}\ldots j^{sa}+1}^{\ldots+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-\ldots-1)!}{(j^{s\ldots}-j_s-1)!\cdot(n_{is}+j_s-\ldots-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = k = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} + 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge s = s) \Rightarrow$

$${}_{fz}S^{\dot{\imath}so}_{j_s,j^{sa}} = \left(\sum_{k=1}^{(\ )}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\sum_{(j_s=\ldots-D)}^{(j^{sa}\ldots)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}\ldots}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}\ldots}\sum_{(\ldots=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\ldots-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$s:\{j_{sa}^{s},,j_{sa}^{ik},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{\text{[illegible]}})!}$$

$$\frac{(n_{sa} - 1)\text{[illegible]}}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\text{[illegible]} - j^{sa})!}$$

$$\frac{(\text{[illegible]})}{(\text{[illegible]} - j_s)! \cdot (j_s \text{[illegible]} 2)!} \cdot$$

$$\frac{(\text{[illegible]}\, \boldsymbol{l}_{\text{[illegible]}} - j_{sa} + \text{[illegible]})!}{(\text{[illegible]} + \boldsymbol{l_{sa}} - j^{s\text{[illegible]}}\, \boldsymbol{l_s})! \cdot (\text{[illegible]} - j_s \text{[illegible]}\, j_{sa} + 1)!} \cdot$$

$$\left.\frac{(\text{[illegible]} + j_{sa} - \text{[illegible]} - s)!}{(D + j^{sa} - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} \text{[illegible]}_{a} - j^{sa} - s)!}\right) -$$

$$\sum_{\text{[illegible]}=1}^{} \sum_{(\text{[illegible]}+\boldsymbol{n}-D-s+1)}^{\text{[illegible]}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\,)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>D\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0$ [illegible]

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1$ [illegible]

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa},\cdots,j_{sa}^{i}\}$

s [illegible] $3\wedge\boldsymbol{s}=$ [illegible] $\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-[illegible]}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\sum_{[illegible]=\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}[illegible]j^{ik}}\sum_{(n_{sa}=[illegible]+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}[illegible]-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}[illegible]\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+[illegible] \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+[illegible]-s \wedge$

$\boldsymbol{l_{ik}}[illegible]j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge [illegible]+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n}[illegible] \wedge I=\mathbb{k}=[illegible] \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge [illegible]j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa}[illegible],j_{sa}^{i}\} \wedge$

$[illegible] > 3 \wedge [illegible]s) \Rightarrow$

$${}_{fz}S^{\text{iso}}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}\ldots)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\ldots-j^{sa})!}\cdot$$

$$\frac{(\ldots)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s\ldots 2)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l_{sa}}-\ldots)!}{(\ldots+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\ldots j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\ldots+\boldsymbol{n}-D-s\ldots)}^{(\ldots+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{(\ldots+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}\ldots+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\ldots \geq \boldsymbol{n} < \ldots \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - \text{[illegible]}}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} \text{[illegible]})}^{(n_i - j_s + 1)} \sum_{n_{sa} = \text{[illegible]} j^{sa} + 1}^{\text{[illegible]} + j_s - j^{sa}}$$

$$\frac{(\text{[illegible]} - n_{is} - 1)!}{(j_s - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + \text{[illegible]})!} \cdot$$

$$\frac{(n_{is} \text{[illegible]} - 1)!}{(j^{\text{[illegible]}} - j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} - j^{sa})!} \cdot$$

$$\frac{(\text{[illegible]} - 1)!}{(n_{sa} \text{[illegible]} j^{sa} - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk)!}{(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k}=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,j}^{İS} = \sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot([illegible]+j_{sa}-[illegible]^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{s}$[illegible]$ - s = \boldsymbol{l_{s}}$[illegible]

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j}^{\text{İS}}[illegible] \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{=\boldsymbol{n}+\ \ j_s+1)}^{(\ \ j_s+1)}$$

$$\sum_{n_{ik}}\sum_{(n_{sa}=\ \ +j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}+\ \ -j_{sa}\ \ -s-\Bbbk)}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}\ \ \Bbbk-j_{sa}^{s})\ \ (\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D+j^{sa}+\ \ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+\ \ -s\wedge$

$\boldsymbol{l_{ik}}\ \ j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\ \ +j_{sa}^{ik}-\ \ _{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}\ \ \wedge I=\Bbbk=\ \ \wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge\ \ \ _{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa}\ \ ,j_{sa}^{i}\}\wedge$

$\ \ >3\wedge\ \ s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\text{[illegible]}1}^{\text{[illegible]}} \sum_{(j_s=\text{[illegible]}-D-s++1)}^{\text{[illegible]}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_s \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_s, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 3 \wedge s = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s+\ldots-j_{sa}\ldots)}^{(\ )}\sum_{\ldots\boldsymbol{l_i}+\ldots j_{sa}-D-s}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\ldots}^{n}\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-\mathbf{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge$ [illegible] D [illegible] $\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\mathbf{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - \cdots}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{\cdots = \boldsymbol{n} + \cdots j_s + 1)}^{(\cdots j_s + 1)}$$

$$\sum_{n_{ik} \cdots j^{ik}} \sum_{(n_{sa} = \cdots + j^{ik}_{sa} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - j_{sa} \cdots - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} \cdots \Bbbk - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \cdots - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, , j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$fz^{iSO}_{j_{sa}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{n})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$[illegible]_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible]}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{[illegible]=\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}[illegible]}\ \sum_{(n_{sa}=[illegible]+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{[illegible]}+j^{sa}+[illegible]^{ik}-j_{sa}[illegible]-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}[illegible]\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}_{[illegible]}>D-\boldsymbol{n}+1[illegible]$

$2\leq j_{[illegible]}\leq j^{sa}-j_{sa}+[illegible]\wedge$

$j_s+j_{sa}-1\leq j^{[illegible]}\leq\boldsymbol{n}+[illegible]-s\wedge$

$\boldsymbol{l_{ik}}[illegible]+1=\boldsymbol{l_s}\wedge[illegible]+j_{sa}^{ik}-[illegible]>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}[illegible]\wedge\boldsymbol{l_s}>D-[illegible]+1\wedge$

$2\leq j_{[illegible]}\leq j^{sa}-[illegible]\wedge$

$j_s+j_{sa}-[illegible]\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$[illegible]-j_{[illegible]}^{ik}[illegible]>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{(n_{ik}-j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-[illegible]-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j_s \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^s_{sa}, j_{sa}, \cdots, j^i_{sa}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = \emptyset \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}. $$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s^{sa}=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $k = 0 \wedge$

$j_{sa} \leq$ [illegible] $- 1 \wedge j_{sa}^{s} \leq$ [illegible] $- 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa},$ [illegible] $j_{sa}^{i}\} \wedge$

s [illegible] $= s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-s+1)}^{[illegible]}\sum_{j^{sa}=j_s+j_{sa}-1}^{[illegible]}$$

$$\sum_{n_i=}^{\boldsymbol{n}}\sum_{n_{is}=\boldsymbol{n}-j_s+1}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa} [illegible])}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_s [illegible] -s-j_s [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_s} - [illegible])!}{(\boldsymbol{l_s} [illegible])!\cdot([illegible]-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}- [illegible] -j_{sa})!\cdot(\boldsymbol{n} [illegible] j_{sa}-j^{sa}-s [illegible])!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}$ [illegible]

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - [illegible] > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0$ [illegible]

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1$ [illegible]

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}$ [illegible]

s [illegible] $3 \wedge \boldsymbol{s} =$ [illegible] $\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{s}\ [illegible]\ j_{sa}+1}^{[illegible]+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{([illegible])}$$

$$\sum_{n_{ik}\ [illegible]\ +j_{sa}^{s}-j_{s}\ [illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{[illegible])}$$

$$\frac{\left(n_{ik}\ [illegible]^{sa}+j_{sa}^{ik}-j_{sa}\ [illegible]\ j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}\ [illegible]\ j_{sa}-\mathbb{k}-[illegible]\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ [illegible]^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\ [illegible]\ \boldsymbol{n} < n \land [illegible] > 1 \land \boldsymbol{l_i}\ [illegible] \leq D + j_{sa} - \boldsymbol{n} \land$

$1 \leq [illegible] \leq j^{sa} - j_{sa}\ [illegible]\ 1 \land$

$[illegible] + j_{sa}\ [illegible]\ 1 \leq j^{sa} \leq \boldsymbol{n}\ [illegible]\ j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1\ [illegible] \land [illegible] + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$([illegible] \leq \boldsymbol{n}\ [illegible] \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i}\ [illegible] \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{[illegible]}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}}=\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+\mathbb{k})}^{(\,)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s+\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\boldsymbol{l_{ik}}-j_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}^{s}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S^{İSO}_{j_s,j^{sa}} = \Bigg(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}^{(j^{s}[illegible]a)}\sum_{(j_s[illegible])}\sum_{j^{s}[illegible]a+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=1}^{\ldots} \sum_{(j_s = \ldots^{sa} - j_{sa} + 1)}^{\ldots} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\ldots j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$$S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{\cdots=1}\;\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\;\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\;\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\ldots+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\ldots}\sum_{(n_{sa}=n_{ik}+j_{sa}\ldots-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s\ldots\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ldots)!\cdot(\boldsymbol{n}+\ldots-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\ldots)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ldots\boldsymbol{l_i})!}{(D+j^{sa}+\ldots-\boldsymbol{n}-\boldsymbol{l_i}-j\ldots)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq\ldots-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_i}-j_{sa}^{ik}+\ldots\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\land$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}\ldots j_{sa}^{ik}\ldots\boldsymbol{n}-1\land$

$(D\geq\ldots<n\land I=\Bbbk=\ldots\land$

$j_{sa}\leq j_{sa}^{i}-\ldots\land j_{sa}^{s}\leq j\ldots-1\land$

$\boldsymbol{s}:\{\ldots,\cdots,j_{sa}^{i}\}\land$

$s\geq3\land\boldsymbol{s}=\ldots)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1}^{\text{[illegible]}} \sum_{(j_s = \text{[illegible]})}^{(\boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik})} \sum_{j^{sa} = \text{[illegible]} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}\right.$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa}}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_s[illegible]+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s[illegible]+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-[illegible])!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\sum_{k=[illegible]}\ \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D[illegible]+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<[illegible])\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa} -$ [illegible] $\wedge j_{sa}^{s} \leq$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{s}$[illegible]$\} \wedge$

$s \geq 3$ [illegible] $\boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )} $$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=n_i+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}-\Bbbk)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_s\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S^{iso}_{j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ldots)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right. $$

$$ \sum_{n_i=\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right. $$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\mathbf{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\mathbf{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\mathbf{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\mathbf{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}-\mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\mathbf{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\mathbf{n}-1\big) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\mathbf{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\mathbf{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\dots} \; \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - \dots j_{sa} + 1)}^{(\boldsymbol{l_s})} \; \sum_{j^{sa} = j_s + j_{sa}}^{\dots j_{sa} - s}$$

$$\sum_{n_i = \dots}^{n} \; \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \; \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \; \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s})} \; \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}-j_{sa}-s>[illegible]\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}<j_{sa}-1\wedge$

$\boldsymbol{s}=\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j\text{[illegible]}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\text{[illegible]}}^{\text{[illegible]}1)}$$

$$\sum_{n_{i}\text{[illegible]}n_{is}+j_{sa}^{s}-\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(n_{ik}\text{[illegible]}j^{sa}+j_{sa}^{ik}-j_{sa}\text{[illegible]}j_s-s\text{[illegible]}\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\text{[illegible]}j_{sa}-\Bbbk-\text{[illegible]}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\text{[illegible]}\boldsymbol{n} < n\text{[illegible]} > 1 \land \text{[illegible]} \le D-\boldsymbol{n}+1 \land$

$1 \le j_s \le j^{sa}-j_{sa}\text{[illegible]}1 \land$

$j_s + j_{sa}\text{[illegible]}1 \le j^{sa} \le \boldsymbol{n}\text{[illegible]}j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\text{[illegible]}\boldsymbol{l_s} \land \boldsymbol{l}\text{[illegible]}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \land$

$D\text{[illegible]}s-\text{[illegible]} < \boldsymbol{l_i} \le D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \land$

$(D \ge \boldsymbol{n} < \text{[illegible]} \land I = \Bbbk = 0 \land$

$j_{sa}\text{[illegible]}j_{sa}-1 \land j_{sa}^{s} \le j_{sa}-1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\} \land$

$s \ge 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}}=\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}\ \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j^{s}_{sa}\right)!\cdot\left(\boldsymbol{n}+j^{s}_{sa}-s-j_s\right)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D\geq \boldsymbol{n}<n\land \boldsymbol{l_s}>1\land \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \mathbf{n} \wedge$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \mathbf{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} $$

$$ \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}+\Bbbk-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \mathbf{n} - \boldsymbol{l_{sa}})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \mathbf{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\mathbf{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}^{\text{[illegible]}}=\sum_{\text{[illegible]}=1}^{\text{[illegible]}}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\text{[illegible]})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s\ \text{[illegible]}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\ \text{[illegible]}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-\text{[illegible]}\,j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\text{[illegible]})!}{(D+j^{sa}+s-\boldsymbol{n}-\text{[illegible]}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - \text{[illegible]} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}\ \text{[illegible]}\ j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq \text{[illegible]} + s - \boldsymbol{n} \wedge$

$(\text{[illegible]} \geq \boldsymbol{n} < n \wedge \text{[illegible]} = \Bbbk = \text{[illegible]}$

$j_{sa}\ \text{[illegible]}\ j_{sa}^{i} - 1 \wedge j_{sa}^{s}\ \text{[illegible]}\ j_{sa} - 1 \wedge$

$\text{[illegible]} \{j_{sa}^{s}, \text{[illegible]}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$$_{fz}S_{j_s,j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]^{sa}-s)!}$$

$$\sum_{k=1}\;\sum_{([illegible]2)}^{(\boldsymbol{l_{sa}}-[illegible]+1)}\;\sum_{j^{sa}=j_s+j_{s}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s[illegible]j_{sa}^{ik}}\;\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{ik}[illegible]j^{sa}+j[illegible]-j_s[illegible]j_s-s-\mathbb{k}\right)!}{\left(n[illegible]+j^{sa}+j_{sa}^{ik}-[illegible]-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > 1 \wedge [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1$

$j_s + [illegible] - 1 \leq j[illegible] \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$[illegible] < D [illegible] - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{\boldsymbol{l_i}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_{sa}^{s}=j^{sa}-j_{sa}+1)} \sum_{n_{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\ [illegible])!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{s[illegible]}+1)}^{(\ [illegible]}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+[illegible]}^{\boldsymbol{l_{ik}}+[illegible]-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{s[illegible]}^{s}[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}[illegible]^{sa}+j[illegible]-j[illegible]j_s-s-\mathbb{k}\right)!}{\left(n_{i[illegible]}+j^{sa}+j_{sa}^{ik}-[illegible]-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > 1 \wedge [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1 [illegible]$

$j_s + [illegible] - 1 \leq j^{[illegible]} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$[illegible]\ \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İ}so}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\sum_{\text{[illegible]}\boldsymbol{n}+\text{[illegible]}j_s+1)}^{(\text{[illegible]}j_s+1)}$$

$$\sum_{n_{ik}=\text{[illegible]}+j_{sa}\text{[illegible]}ik}\sum_{(n_{sa}=\text{[illegible]}j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(\text{[illegible]}+j^{sa}+\text{[illegible]}-j_{sa}-\text{[illegible]}-s-\Bbbk)\text{[illegible]}}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\text{[illegible]}-j_{sa}^{s})\text{[illegible]}(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \text{[illegible]} 1 \wedge \boldsymbol{l_s} \leq D - \text{[illegible]} + 1 \wedge$

$1 \leq j_s \text{[illegible]} j^{sa} - j_{sa} + \text{[illegible]} \wedge$

$j_s + j_{sa} - 1 \leq \text{[illegible]} \leq \boldsymbol{n} + \text{[illegible]} - s \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]}^{ik} + 1 > \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - \text{[illegible]} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + j_{sa}^{ik} - \text{[illegible]} < \boldsymbol{l_{ik}} \leq D \text{[illegible]} \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \text{[illegible]} < n \wedge \text{[illegible]} 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\text{[illegible]}\{j^{s}\text{[illegible]}\cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İ}SO} = \sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\ldots-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s\ldots\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\ldots\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-\ldots j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s\ldots)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\ldots)!}{(D+j^{sa}+s-\boldsymbol{n}-\ldots-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+\ldots-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-\ldots = \boldsymbol{l_{ik}} \wedge \boldsymbol{l}\ldots j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j\ldots-\boldsymbol{n} < \boldsymbol{l_{ik}} \ldots D+\boldsymbol{l_s}+j_{sa}^{ik}-\ldots 1 \ldots$

$(\ldots \geq \boldsymbol{n} < n \wedge \ldots = \Bbbk = \ldots$

$j_{sa} \ldots j_{sa}^{i}-1 \wedge j_{sa}^{s} \ldots j_{sa}-1 \ldots$

$\ldots\{j_{sa}^{s}, , j\ldots, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \ldots \boldsymbol{s} = s)$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_s - 1 \wedge j_{sa}^{s} \leq j_s - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge$ [illegible] $= s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=} \sum_{(j_s=2)}^{(- j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}$$

$$\sum^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{I}=\Bbbk>0 \wedge$

$j_{sa} \leq j_{sa}^{ik}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa}^{ik},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{f}Z^{İSO}_{[illegible]j^{sa}} = \sum_{k=1}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-[illegible])} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa} \leq j_{sa}^i - 1 \land j_{sa}^s \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^s, , j_{sa}, , j_{sa}^i\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}\ldots-s}$$

$$\sum_{n_i=\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\ldots j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - [illegible] - j_s\right)! \cdot (\boldsymbol{n} + [illegible] - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\mathbf{n}-D-1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+k}^{n}\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}-j_{sa}^{ik}-\mathbf{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\mathbf{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\mathbf{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\mathbf{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\mathbf{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\mathbf{n}-1)\vee$

$(D\geq\mathbf{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\mathbf{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}^{\text{[illegible]}} = \sum_{\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\text{[illegible]}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\cdots-\boldsymbol{l_s}-j\cdots+1)!}{(\cdots+\boldsymbol{l_{sa}}-j^{sa}\cdots)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$\text{[illegible]}_{j_s}^{j^{sa}} = \left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - \text{[illegible]})! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot\right.$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_s\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} < \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D +$ [illegible] $+ j_{sa}^{ik} - \boldsymbol{n} -$ [illegible]

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s} \in \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s \ldots \boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+\ldots)}$$

$$\frac{(n_i-n_{sa}-1)\ldots}{(j^{sa}-2)!\cdot(n_i \ldots - \ldots +1)!}\cdot$$

$$\frac{(\ldots-1)!}{(n\ldots+j^{sa}-\boldsymbol{n}\ldots 1)!\cdot(\boldsymbol{n}-j^{s\ldots})\ldots}\cdot$$

$$\frac{\ldots(l\ldots)!}{\ldots-j^{sa})!\ldots-j_{sa})!}\cdot$$

$$\frac{(D+\ldots-\boldsymbol{l_{sa}}\ldots s)!}{(D\ldots j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\ldots(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i\ldots}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((\ldots\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j\ldots-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_s \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s [illegible] \boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+ [illegible])}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i [illegible] -j [illegible] +1)!}\cdot$$

$$\frac{([illegible] -1)!}{(n [illegible] +j^{sa}-\boldsymbol{n} [illegible] 1)!\cdot(\boldsymbol{n}-j^{s [illegible]})!}\cdot$$

$$\frac{ [illegible])!}{ [illegible] -j^{sa})!\cdot [illegible] -j_{sa})!}\cdot$$

$$\frac{(D+ [illegible] -\boldsymbol{l_{sa}} [illegible])!}{(D [illegible] j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}} [illegible] (\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i [illegible]}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

D [illegible] $\boldsymbol{n}$ [illegible] $\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{s}$ [illegible] $-j_{sa}+1\wedge$

j_s [illegible] $-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum^{n} \sum_{(n_{sa}=n_i-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - [illegible])!}{(n_{sa} + j^{sa} - \boldsymbol{n} - [illegible] - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_i=n_{ik}+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum^{n} \sum_{(n_{sa}=n_i+j_{sa}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - j_s - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - j_{sa} - j_s - j^{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_{sa} + j_s - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_s [illegible]}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum^{n} [illegible] \sum_{(n_{sa}=\boldsymbol{n} [illegible] ^{sa}+1)}^{([illegible] j^{sa}+1)} $$

$$ \frac{(n_i [illegible] n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i [illegible] n_{sa} - j^{sa} + [illegible])!} \cdot $$

$$ \frac{[illegible] - 1 [illegible]}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1 [illegible] - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j [illegible])! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \frac{(D + j_{sa} [illegible] \boldsymbol{l_{sa}} - s)!}{([illegible] + j^{sa} [illegible] \boldsymbol{n} - \boldsymbol{l}_{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$((D \geq \boldsymbol{n} [illegible] n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$j^{İSO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}.$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{iso}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i}\sum_{n_{sa}=n_i-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(j_s)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot\right.
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\text{[illegible]})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\text{[illegible]}+j_{sa}-\text{[illegible]})!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=\text{[illegible]}-j_{sa}+\text{[illegible]})}^{(\ )}\ \sum_{\text{[illegible]}j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}\text{[illegible]}j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}\text{[illegible]}j_{sa}^{ik}-\text{[illegible]}j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \text{[illegible]}\ D \text{[illegible]}\ \boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq \text{[illegible]} - j_{sa}+1 \wedge$

$\text{[illegible]} + j_{sa} - \text{[illegible]} \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\text{:}\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j^{ik}_{sa} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_i+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j\cdots} = \left(\sum_{k=1}^{\cdots}\sum_{(j_s\cdots j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}-\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=\text{[illegible]}+\boldsymbol{n}-D\text{[illegible]})}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}\text{[illegible]}j_s+j_{sa}-1}^{\text{[illegible]}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right.
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s-ik+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{ik}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathrm{i}so} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\;\sum_{(j_s=\boldsymbol{l_s}+\mathbf{n}-D)}^{(j^{sa}-j_{sa})}\;\sum_{j^{sa}=\boldsymbol{l_{sa}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\;\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;\;)}\;\sum_{j^{sa}=\boldsymbol{l_i}+\mathbf{n}+j_{sa}-D-s}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\mathbf{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\mathbf{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \mathbf{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{n})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$f_{j_s,j^{sa}}^{iso}=\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s=\boldsymbol{n}+j^{sa}-j_s+1)}^{(n_i+j^{sa}-j_s+1)}$$

$$\sum_{n_{ik}=n_s+j^{sa}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{()}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-\boldsymbol{n}-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}+j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 2\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa}^{ik},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{([illegible])!}{([illegible]_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]-\boldsymbol{l_{sa}}-[illegible])!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot([illegible]j^{sa}-s)!}-$$

$$\sum_{k=1}^{[illegible]}\ \sum_{(j_s=[illegible]j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{([illegible]+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}[illegible]+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$[illegible] \geq \boldsymbol{n} < [illegible] \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S^{iso}_{j^{sa}}=\sum_{k=1}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\boldsymbol{l_i}-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{(\;)} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j^{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>D\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0)\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_s\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=3+\Bbbk\wedge$

$\Bbbk_z:(z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]})!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\text{[illegible]})}^{\text{[illegible]}}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}$$

$$\frac{\left(n_{ik}\text{[illegible]}j^{sa}+j^{ik}_{sa}-j_{sa}\text{[illegible]}j_s-s\text{[illegible]}\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\text{[illegible]}j_{sa}-\Bbbk-\text{[illegible]}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D > \boldsymbol{n} < n \wedge \text{[illegible]} > D - \text{[illegible]} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} \text{[illegible]} 1 \wedge$

$j_s + j_{sa} \text{[illegible]} 1 \le j^{sa} \le \boldsymbol{n} \text{[illegible]} j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 \text{[illegible]} \boldsymbol{l_s} \wedge \boldsymbol{l}\text{[illegible]} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \text{[illegible]} \boldsymbol{n} \text{[illegible]} n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa} \le j^{i}_{sa} - \text{[illegible]} \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_i})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\ldots} \sum_{(\ldots=\boldsymbol{l_i}+\boldsymbol{n}-\ldots+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} $$

$$ \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$(D\geq\mathbf{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\mathbf{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\mathbf{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,\mathbf{s}}^{sa}=\sum_{k=1}^{\mathbb{k}}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}\cdots}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\cdots}-j_s+1)\cdots}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+\cdots-n_{sa}\cdots-j^{sa})!}\cdot$$

$$\frac{(\cdots-1)!}{(n_{\cdots}+j^{sa}-\boldsymbol{n}\cdots1)!\cdot(\boldsymbol{n}-j^{s\cdots}\cdots}\cdot$$

$$\frac{(\boldsymbol{l}_{\cdots}\cdots2)!}{(\boldsymbol{l_s}-j_s\cdots\cdots_s-2)!}\cdot$$

$$\frac{(\cdots-\boldsymbol{l_s}-\cdots+1)!}{\cdots+\boldsymbol{l_{sa}}-j^{sa}\cdots)!\cdot(j^{s\cdots}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}\cdots\boldsymbol{l_{sa}}-s)!}{(\cdots+j^{sa}\cdots-\boldsymbol{l}\cdots)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{f}Z^{İSO}_{j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\mathbb{k} \in \left\{j_{sa}^{s}+\mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\!: z=1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\mathbb{k}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(\dots)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s\dots\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\mathbf{n}-j_{sa}-\dots-j_s\right)!\cdot(\mathbf{n}+\dots-s-j_s)!}$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}})\big) \wedge$

$(D \geq \mathbf{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_s \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}+1 \wedge$

$\boldsymbol{s}: \{j_s, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=l_i+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=[illegible]}^{[illegible]} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{([illegible]-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{([illegible]-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$[illegible]{}_{f_z}S_{j_s,[illegible]}^{\mathrm{IS}[illegible]} = \sum_{[illegible]}^{[illegible]} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l}[illegible]+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n_i+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}^{s}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk)!}{(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - j_s - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + j_{sa} - \boldsymbol{n} - \boldsymbol{l_i} - j_s)! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}^{ik}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_i})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum \sum_{(n_{is}=\boldsymbol{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\mathbf{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\mathbf{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot\right.$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\cdots}^{\cdots}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-\cdots}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+1 \wedge$

$\mathbb{k} \wedge z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{\ldots}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\ldots}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j_s}^{\ldots}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{\ldots}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\ldots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j^{ik}_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa}-j_s-1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa}-j_s-1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_s, \ldots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İso} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{\text{I}}SO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-\text{[illegible]}-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s\text{[illegible]}-1}^{\text{[illegible]}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s + 1 \land$

$\Bbbk : z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+[illegible]}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=[illegible]}^{n}\ \sum_{[illegible]=\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}[illegible]}\ \sum_{(n_{sa}=[illegible]+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}[illegible]-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}[illegible]\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\land \boldsymbol{l_s}>1\land \boldsymbol{l_s}\leq D-[illegible]+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}+j_{sa}^{ik}+1=\boldsymbol{l_s}\land \boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\land \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\land$

$[illegible]+s-[illegible]<\boldsymbol{l_i}\leq D+[illegible]+s-\boldsymbol{n}-j_{sa}\land$

$(D\geq [illegible]<n\land [illegible]0\land$

$j_{sa}\leq j_{sa}^{i}-1\land j_{sa}^{s}=j_{sa}-1\land$

$[illegible]\left\{j_{sa}^{s},\mathbb{k}[illegible],\cdots,j_{sa}^{i}\right\}\land$

$s\geq 3\land \boldsymbol{s}=s+\mathbb{k}\land$

$\mathbb{k}_z\!: z=1)\Rightarrow$

$$ {}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_s} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} - j_{sa}^{ik}}
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}
$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$S_{j_s,j^{sa}}^{iso}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=[illegible]+\Bbbk-j_s+1)}^{(n_i-j_s+1[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\sum_{(n_{sa}=n_{ik}+j_{sa}[illegible]-\Bbbk)}^{([illegible])}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-[illegible]-j_s-s[illegible]\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-[illegible]-j_s[illegible])!\cdot(\boldsymbol{n}+[illegible]-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}[illegible])!}{([illegible]\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}[illegible]-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j[illegible]\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l}[illegible]-j_{sa}^{ik}+[illegible]\boldsymbol{l_s}\wedge\boldsymbol{l_s}[illegible]j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{i}}[illegible]\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq[illegible]<n\wedge I=\Bbbk\geq[illegible]\wedge$

$j_{sa}\leq j_{sa}^{i}-[illegible]\wedge j_{sa}^{s}=j[illegible]-1\wedge$

$\boldsymbol{s}:\{[illegible],[illegible]_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=[illegible]+\Bbbk\wedge$

$\Bbbk_z[illegible])\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{\ldots})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\ldots-j^{sa})!}\cdot$$

$$\frac{(\ldots)}{(\ldots\boldsymbol{l_s}-j_s)!\cdot(j_s-\ldots 2)!}\cdot$$

$$\frac{(D\ldots-\boldsymbol{l_{sa}}-\ldots)}{(D+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\ldots j_{sa}-j^{sa}-s)!}-$$

$$\sum\sum_{(j_s=2)}^{(\ldots-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(\ldots+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}\ldots+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < \ldots \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\!: \left\{ j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\!: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}
$$

$$
\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,[illegible]a}^{[illegible]} = \sum_{k=1}^{[illegible]} \sum_{(j_s=2)}^{([illegible]j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\!: z=1) \Rightarrow$

$$f^{S\dot{I}SO}_{[illegible],j^{sa}} = \sum_{k=[illegible]}^{[illegible]} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1}^{\text{[illegible]}} \sum_{(j_s=\text{[illegible]})}^{(\boldsymbol{l_i}+\text{[illegible]}s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\text{[illegible]}j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+\text{[illegible]})} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\ldots}\sum_{(\ldots+\boldsymbol{n}-D-s+1)}^{(\ldots-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \land \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} = \mathbf{l_{ik}} \land \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \land$

$D + j^{ik}_{sa} - \mathbf{n} < \mathbf{l_{ik}} \leq D + \mathbf{l_s} + j^{ik}_{sa} - \mathbf{n} - 1 \land$

$(D \geq \mathbf{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j^{i}_{sa} - 1 \land j^{s}_{sa} = j_{sa} - 1 \land$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \land$

$s \geq 3 \land \mathbf{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j^{ik}_{sa}}^{\mathbf{l_s}+j_{sa}} $$

$$ \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot $$

$$ \frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\mathbf{l_{sa}} - \mathbf{l_s} - j_{sa} + 1)!}{(j_s + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \mathbf{l_{sa}} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l_{sa}})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_s})} \sum_{j^{sa}=\mathbf{l_s}+j_{sa}}^{\mathbf{n}+j_{sa}-s} $$

$$ \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\cdots+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k})!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}=D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j^{sa} + j_s + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_s - j^{sa} - s)!}$$

$$\sum_{\mathbb{k}=1} \sum_{(j_s = j^{s}_{sa} - j^{ik}_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\ldots_{a} - j^{ik}_{sa}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j^{s}_{sa} - j^{ik}_{sa}} \sum_{(n_{sa} = n_{ik} + j^{ik}_{sa} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^{s}_{sa}\right)! \cdot (\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < \ldots) \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{()}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\land$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\land$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\big)\land$

$(D\geq\boldsymbol{n}<n\land I\geq 0\land$

$j_{sa}\leq j_{sa}^{i}-1\land j_{sa}^{s}=j_{sa}-1\land$

$\Bbbk\in\{j_{sa}^{s},\Bbbk_{sa},\cdots,j_{sa}^{i}\}\land$

$s\geq 3\land\boldsymbol{s}=s+\Bbbk\land$

$\Bbbk_z:z=1)\Rightarrow$

$$ {}_{fz}S^{\mathrm{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+ $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot $$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j_s}\ \sum_{(n_{sa}=n_{ik}+j_{sa}-j^{ik}_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\boldsymbol{l_{sa}}-j_s\right)!\cdot(\boldsymbol{n}+j^{ik}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j^{ik}_{sa}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s [illegible] + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s [illegible] + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{[illegible]} \sum_{(j^{sa} [illegible] j^{sa} - j_{sa} + [illegible])}^{[illegible]} \sum_{[illegible]^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{[illegible] + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{\boldsymbol{n}} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} - j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} - j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < [illegible]) \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}so}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_i-j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 1 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j^{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, j_{sa}^{ik}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\ldots=1} \sum_{(j_s=\ldots+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_s}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}-\boldsymbol{n} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=j_s+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\text{[illegible]})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}\text{[illegible]})}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-\text{[illegible]}}^{\boldsymbol{l_s}+j_{sa}\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}\text{[illegible]}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s\text{[illegible]}j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}\text{[illegible]}j^{sa}+j\text{[illegible]}-j_s\text{[illegible]}j_s-s-\mathbb{k}\right)!}{\left(n\text{[illegible]}+j^{sa}+j_{sa}^{ik}-\text{[illegible]}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} = 1 \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]}\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\text{[illegible]} + j^{ik}\text{[illegible]}\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$${}_{fz}S^{\text{iso}}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg) -$$

$$\sum_{k=1}^{(\dots)} \sum_{(j_s=\dots)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\dots)} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk} \frac{(n_{ik}+j^{s}+j^{ik}_{sa}-\dots j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{s}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}-s)!}\cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j^{ik}_{sa}\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j^{ik}_{sa}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{\text{[illegible]}})!}$$

$$\frac{(\boldsymbol{l_{sa}} - \text{[illegible]})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (\text{[illegible]} - j_{sa})!}$$

$$\frac{(D + j_{sa} - \text{[illegible]} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} j_{sa} - j^{sa} - \text{[illegible]})!} \Bigg) -$$

$$\sum_{k=1} \sum_{(j_s \text{[illegible]})}^{(\ )} \sum_{\text{[illegible]}^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}=n_i+j_{sa}-j^{sa}\text{[illegible]}_{sa}^{k}+1)}^{\text{[illegible]})} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\text{[illegible]} + j\text{[illegible]} + j^{ik}\text{[illegible]} j_{sa} - j_s - s - \Bbbk\big)!}{\big(n_{ik} + j\text{[illegible]} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\big)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \text{[illegible]} \boldsymbol{n} < n \wedge \text{[illegible]} = 1 \wedge \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} \text{[illegible]} 1 \wedge$

$j_s + j_{sa} \text{[illegible]} 1 \leq j^{sa} \leq \boldsymbol{n} \text{[illegible]} j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \text{[illegible]} \boldsymbol{l_s} \wedge \boldsymbol{l} \text{[illegible]} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \text{[illegible]} D + \text{[illegible]} - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \text{[illegible]} j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk} \frac{(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}-s)!}\cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} - \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{iso}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+\cdots)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i - n_{sa} - \cdots)}{(j^{sa}-2)! \cdot (n_i - n_{sa} - \cdots j^{sa} + 1)!}
\frac{(n_{sa} - \cdots)}{(n_{sa} + j^{sa} \cdots \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(D + j_{sa} - \cdots - s)!}{(D \cdots j_{sa} \cdots \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -
$$

$$
\sum \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
\sum_{n_i=\boldsymbol{n}+\cdots}^{n} \sum_{n_{ik}=n_i+j_{sa} \cdots j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}
\frac{\left(n_{ik} \cdots j^{sa} + j^{ik}_{sa} - j_{sa} - j_s - s - \Bbbk\right)!}{(\cdots + j^{sa} \cdots j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \Bbbk - j^{s}_{sa})! \cdot (\boldsymbol{n} - s)!} \cdot
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \cdots < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l}_{\cdot} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j \cdots - j_{sa} + 1$

$j_s + \cdots - 1 \leq j \cdots \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \cdots > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\cdots + j^{ik} \cdots < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \land$

$j_{sa} \leq j^{i}_{sa} - 1 \land j^{s}_{sa} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j^{s}_{sa}, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\} \land$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}} $$

$$ \frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!} $$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \boldsymbol{n} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j^{ik}_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$f^{\dots\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}.$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \land$

$(D \ge \boldsymbol{n} < n \land I = \Bbbk \ge 0 \land$

$j_{sa} \le j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \land$

$s \ge 3 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İso}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\,(\boldsymbol{n}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}=1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İso}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{j_{sa}+s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s\ [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s\ [illegible]\ j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\ [illegible])!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\ [illegible]\ +j_{sa}-\ [illegible])!}\Bigg)-$$

$$\sum_{k=1}\ \sum_{(j_s=\ [illegible]\ -j_{sa}+\ [illegible])}^{(\ )}\ \sum_{\boldsymbol{l_i}=\ [illegible]\ j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\ [illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}\ [illegible]\ j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}\ [illegible]\ j_{sa}^{ik}-\ [illegible]\ j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ [illegible] D [illegible] $\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq$ [illegible] $-j_{sa}+1 \wedge$

[illegible] $+j_{sa}-$ [illegible] $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_i-j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\}$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}} = \left(\sum_{k=1}^{\cdots}\ \sum_{(j_s=\cdots j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-n_{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}-\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\text{[illegible]}\boldsymbol{_{sa}}-s)!}{(D\text{[illegible]}j^{sa}-\text{[illegible]}\boldsymbol{l}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)! \cdot (n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot \right.
$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}\dots ik+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-\dots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\dots j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso}=\left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \Bigg(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+
$$

$$
\Bigg(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$D > \boldsymbol{n} < n$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \left\{j_{sa}^{s},\cdots,j_{sa}^{ik},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$f^{iso}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n^{ik}=\boldsymbol{n}+j^{sa}-j_s+1)}^{(n_i+j^{sa}-j_s+1)}$$

$$\sum_{n_{ik}=n^{ik}+j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-\mathbb{k}-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}+j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{i}\leq j_{sa}^{ik}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - [illegible])!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot ([illegible] - j^{sa})!} \cdot$$

$$\frac{([illegible])!}{([illegible] - j_s)! \cdot (j_s [illegible] 2)!} \cdot$$

$$\frac{(D [illegible] - \boldsymbol{l_{sa}} - [illegible])!}{(D + j^{sa} - \boldsymbol{n} - [illegible])! \cdot ([illegible] j_{sa} [illegible] j^{sa} - s)!} -$$

$$\sum_{k=1}^{[illegible]} \sum_{(j_s=j[illegible] j_{sa}+1)}^{(\ )} \sum_{j[illegible]=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{([illegible] + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk)!}{(n_{ik} [illegible] + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$[illegible] \geq \boldsymbol{n} < [illegible] \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}
$$

$$
\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa}-1 \wedge j^{ik}_{sa}=j_{sa}-1 \wedge j^{s}_{sa} \leq j^{ik}_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j^{s}_{sa},\cdots,\mathbb{k},j_{sa},\cdots,j^{i}_{sa}\right\} \vee \boldsymbol{s}\colon\left\{j^{s}_{sa},\cdots,j^{ik}_{sa},\mathbb{k},j_{sa},\cdots,j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S^{iso}_{j^{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-1)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}-j_{sa}-s>D \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk>0) \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s>4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z:(z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j_s}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D > \boldsymbol{n} < n \wedge \boldsymbol{l_i} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D > \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}\text{[illegible]}}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\Bbbk)!}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(n_{\text{[illegible]}}+j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j^{s\text{[illegible]}})!}\cdot$$

$$\frac{(\boldsymbol{l_s}\text{[illegible]}2)!}{(\boldsymbol{l_s}-j_s\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-j\text{[illegible]}+1)!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}\text{[illegible]})!\cdot(j^{s\text{[illegible]}}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}\text{[illegible]}\boldsymbol{l_{sa}}-s)!}{(\text{[illegible]}+j^{sa}\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\ldots)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-\ldots+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s\ldots+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}\ldots)!\cdot(\boldsymbol{n}+j_s\ldots-j^{sa}-s)!}$$

$$\sum_{k=\ldots}\ \sum_{\ldots=\boldsymbol{l_i}+\boldsymbol{n}-\ldots+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}\ldots j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n\ldots+j^{sa}\ldots j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\ldots\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$\ldots j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_{sa} + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,[illegible]}=\sum_{k=1}^{[illegible]}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-n_{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_{ik}})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\ \mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$f_{Z_{j^{sa}}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$s:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{\Bbbk=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n_i+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\Bbbk} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\Bbbk)}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_s\right)! \cdot (\boldsymbol{n} + \Bbbk - s - j_s)!}$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \Bbbk - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k})!}{(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_s \le j_{sa}^i - 1 \wedge j_{sa}^{ik} = j_{sa}+1 \wedge j_{sa}^s \le j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^s, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^i\} \vee \boldsymbol{s}\colon \{j_{sa}^s, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^i\} \wedge$

$g \ge 4 \wedge g = s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \quad \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\Big)\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge \boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \text{[illegible]} j_{sa}, \cdots, j_{sa}^{i}\right\}$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}^{\mathrm{IS}\text{[illegible]}} = \sum_{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l}\text{[illegible]}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=\text{[illegible]}} \sum_{(j_s=\text{[illegible]}+1)}^{(\text{[illegible]})} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+\boldsymbol{l_{ik}}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\ \Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!\cdot\left(\boldsymbol{n}+j_{sa}^{s}-s-j_{s}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}\ldots}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\ldots+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{\ldots sa+1}^{n_{is}\ldots-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i\ldots n_{is}-1)!}{\ldots 2)!\cdot(n_i\ldots n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}\ldots sa-\mathbb{k}\ldots)!}{(j^{sa}-j_s\ldots 1)!\cdot(n_{is}\ldots j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}\ldots 1)!}{(n_{sa}+\ldots-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\ldots\boldsymbol{_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$_{fz}S_{j_s,j_{sa}}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\text{[illegible]}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{\text{[illegible]}}\text{[illegible]}\Bbbk)}^{(\text{[illegible]})}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\text{[illegible]}-j_s-s\text{[illegible]}\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\text{[illegible]}-j_{sa}\right)!\cdot(\boldsymbol{n}+\text{[illegible]}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l}_{\text{[illegible]}}-j_{sa}^{ik}+1\text{[illegible]}\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}\text{[illegible]}j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}-j\text{[illegible]}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j\text{[illegible]}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{\text{[illegible]},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge \boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:\text{[illegible]}1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}SO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-[illegible])!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{[illegible]}{([illegible]-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{([illegible]\boldsymbol{l_s}-j_{sa}+[illegible])!}{([illegible]+\boldsymbol{l_{sa}}-j^{s[illegible]}\boldsymbol{l_s})!\cdot([illegible]-j_{[illegible]}-j_{sa}+1)!}\cdot$$

$$\left.\frac{([illegible]+j_{sa}-[illegible]-s)!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum[illegible]\sum_{([illegible]+\boldsymbol{n}-D-s+1)}^{([illegible]-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\imath}so} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-\dots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \; \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_{s}-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk \wedge z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathrm{iso}} = \left(\sum_{k=1} \; \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \; \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \; \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \; \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = 2)}^{\boldsymbol{l_s} + j_{sa} - 1} \sum_{j^{sa} = j_{sa} + 1}
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=n_{is}-j^{sa}+1}^{n_i+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$${}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} +
$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} >$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}+1)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\text{[illegible]})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right. $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right. $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\text{[illegible]}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\mathbf{n}+j_{sa}-\text{[illegible]}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\mathbf{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\;\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+\text{[illegible]}-1}^{\text{[illegible]}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}[illegible]-j_{sa}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s[illegible]}^{\boldsymbol{n}[illegible]sa-s}$$

$$\sum_{[illegible]=\boldsymbol{n}+\Bbbk}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{[illegible]j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{([illegible]sa-j_s[illegible]1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+1 \wedge$

$\Bbbk: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{()}\sum_{j^{sa}=j_{sa}+j_s-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+j^{sa}-j_s}^{n}\sum_{(n_{ik}=\boldsymbol{n}+j^{sa}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+j^{sa}-j^{ik}_{sa}}\sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-\boldsymbol{l_{ik}}-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}-j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \geq 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + j^{sa} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$s{:}\left\{j^{s}_{sa},\cdots,j^{ik}_{sa},j_{sa},\cdots,j^{i}_{sa}\right\} \vee \boldsymbol{s}{:}\left\{j^{s}_{sa},\cdots,j^{ik}_{sa},\mathbb{k},j_{sa},\cdots,j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z{:}\, z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İso}=\sum_{k=1}^{(\;)}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}-j_{sa}^{ik}}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}^{(\;)}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}
$$

$$\frac{(n_{ik} + j^{sa} + j^{ik}_{sa} - j_{sa} - j_s - s - \mathbb{k})!}{(n_{ik} + j^{sa} + j^{ik}_{sa} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j^s_{sa})! \cdot (\boldsymbol{n} + j^s_{sa} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - j_s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^s_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^i_{sa}\} \vee \boldsymbol{s}: \{j^s_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, \ldots, \cdots, j^i_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j^{ik}_{sa}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\boldsymbol{l_s}-j_{sa}\right)!\cdot(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z=1)\Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D [illegible] -\boldsymbol{l_{sa}}-1)!}{(D+j^{sa}-\boldsymbol{n}- [illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum [illegible] \sum_{(j_s=2)}^{(\boldsymbol{l_s}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} [illegible]$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left([illegible]+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+[illegible]+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}
\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j_{sa}} = \sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{s\dots}^{i\dots}\right.$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$f S_{j_s,j^{sa}}^{İSO}=\sum_{k=\dots}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-j^{sa}-n_{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \land$

$(D \ge \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \le j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \le j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \ge 4 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{ISO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum \sum_{(j_{sa}^{ik}=j_{sa}+\boldsymbol{n}-D-s+1)}^{(j_{sa}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s \cdots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \cdots s)!}{(D + j^{sa} - \boldsymbol{n} \cdots)! \cdot (\boldsymbol{n} + j_s \cdots - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(j_s = \cdots - j_{sa} + 1)}^{(\cdots)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=j_s+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\ldots-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{ik}-j^{sa}+j_{sa}\ldots-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\land$

[illegible] $s-\boldsymbol{n})\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{j_{sa}=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}^{s}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<\infty)\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\;\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\mathbf{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot\left(\mathbf{n}+j_{sa}^{s}-s-j_s\right)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-s)!\cdot(s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l_{sa}} \leq D + \mathbf{l_{ik}} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \mathbf{n} + j_{sa} - s \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + j_{sa} - \mathbf{n} < \mathbf{l_{sa}} \leq D + \mathbf{l_{ik}} + j_{sa} - \mathbf{n} - j_{sa}^{ik})\big) \wedge$

$(D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \mathbf{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{n}+\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}-j_{sa}^{ik}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_s\right)!\cdot(\boldsymbol{n}+\mathbb{k}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - [illegible])!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - [illegible] + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s} [illegible] (j^{sa} - j_s [illegible] + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} [illegible] s)!}{(D + j^{sa} - \boldsymbol{n} [illegible])! \cdot (\boldsymbol{n} + j_s [illegible] - j^{sa} - s)!}$$

$$\sum_{k=1}^{[illegible]} \sum_{(j [illegible]^{sa} - j_{sa} + [illegible])}^{[illegible]} \sum_{[illegible]^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{[illegible] 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\quad)}$$

$$\frac{\left(n_{ik} [illegible] j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \mathbb{k}\right)!}{\left(n_{i[illegible]} + j^{sa} [illegible]_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < [illegible] \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq [illegible] \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 1 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\!:\!\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\!:\!\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\!: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\ldots=1}\ \sum_{(j_s=\ldots+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\mathbb{k}\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}-\boldsymbol{n} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \mathbf{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\mathbf{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \mathbf{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 4 \land \mathbf{s} = s + \mathbb{k} \land$

$\mathbb{k}_{z}\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{j^{sa}=j_s+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}
\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
\frac{(n_{sa} - 1)!}{(j^{sa} - \mathbf{n} - 1)! \cdot (\mathbf{n} - j^{sa})!} \cdot
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\mathbf{l_{sa}} - \mathbf{l_s} - j_{sa} + 1)!}{(j_s + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \mathbf{l_{sa}} - s)!}{(D + j^{sa} - \mathbf{n} - \mathbf{l_{sa}})! \cdot (\mathbf{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\mathbf{n}+j_{sa}-s}
\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{ik}-j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}=1\land\boldsymbol{l_i}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\land$

$\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\land$

$(D\geq\boldsymbol{n}<n\land I=\Bbbk>0\land$

$j_{sa}\leq j_{sa}^{i}-1\land j_{sa}^{ik}=j_{sa}-1\land j_{sa}^{s}\leq j_{sa}^{ik}-1\land$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\lor\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\land$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$_{fz}S^{iso}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\;\sum_{(j_s [illegible])}^{(\ )}\;\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}\;\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1}^{[illegible]} \sum_{[illegible]} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{n_{ik}=n_i+j_{sa}-j^{sa}-\Bbbk}^{[illegible]} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk\right)!}{\left(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
$$

$$
\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\ \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{\text{[illegible]}})!}$$

$$\frac{(\boldsymbol{l_{sa}}-\text{[illegible]})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(\text{[illegible]}-j_{sa})!}$$

$$\frac{(D+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\text{[illegible]}\,j_{sa}-j^{sa}-\text{[illegible]})!}\Bigg)-$$

$$\sum_{k=1}\ \sum_{\text{[illegible]}}\ \sum_{\text{[illegible]}=j_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\ \sum_{\text{[illegible]}=n_i+j_{sa}-j^{sa}\text{[illegible]}+1)}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(\text{[illegible]}+j^{ik}\text{[illegible]}\,j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j\text{[illegible]}+j_{sa}^{ik}-\mathbf{n}-j_{sa}-\Bbbk-j_{sa}^{s})!\cdot(\mathbf{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\mathbf{n}-\boldsymbol{l_i})!\cdot(\mathbf{n}-s)!}$$

D [illegible] $\mathbf{n} < n \wedge$ [illegible] $= 1 \wedge$ [illegible] $\le D - \mathbf{n} + 1 \wedge$

$1 \le$ [illegible] $\le j^{sa} - j_{sa}$ [illegible] $1 \wedge$

[illegible] $+ j_{sa}$ [illegible] $1 \le j^{sa} \le \mathbf{n}$ [illegible] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\wedge$ [illegible] $+ j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i}$ [illegible] $D +$ [illegible] $- \mathbf{n} \wedge$

$(D \ge \mathbf{n} <$ [illegible] $\wedge\, I = \Bbbk > 0 \wedge$

j_{sa} [illegible] $j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}
\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}-s)!}-
$$

$$
\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}
\sum_{n_i=\mathbf{n}+\Bbbk}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}
\frac{(n_{ik}+j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk)!}{(n_{ik}+j^{sa}+j^{ik}_{sa}-\mathbf{n}-j_{sa}-\Bbbk-j^{s}_{sa})!\cdot(\mathbf{n}-s)!}\cdot
\frac{(D-\boldsymbol{l_i})!}{(D+s-\mathbf{n}-\boldsymbol{l_i})!\cdot(\mathbf{n}-s)!}
$$

$D\geq\mathbf{n}<n\wedge\boldsymbol{l_s}\geq 1\wedge\boldsymbol{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}-\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\mathbf{n}-\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\mathbf{n}-j_{sa}\wedge$

$D\geq\mathbf{n}>i\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j^{i}_{sa}-1\wedge j^{ik}_{sa}=j_{sa}-1\wedge j^{s}_{sa}\leq j^{ik}_{sa}-1\wedge$

$\boldsymbol{s}:\{j^{s}_{sa},\cdots,\Bbbk,j_{sa},\cdots,j^{i}_{sa}\}\vee\boldsymbol{s}:\{j^{s}_{sa},\cdots,j^{ik}_{sa},\Bbbk,j_{sa},\cdots,j^{i}_{sa}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+\text{[illegible]}}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i-n_{sa}-\Bbbk-\text{[illegible]}}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}\text{[illegible]}\Bbbk+1)!} \cdot \frac{(n_{sa}-\text{[illegible]}}{(n_{sa}+j^{sa}\text{[illegible]}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}^{sa})!} \cdot \frac{(D+j_{sa}-\text{[illegible]}-s)!}{(D\text{[illegible]}_{sa}\text{[illegible]}\boldsymbol{l}_{sa})\text{[illegible]}(\boldsymbol{n}-s)!} - $$

$$ \sum_{\text{[illegible]}1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}_{ik}=n_i+j_{sa}\text{[illegible]}}^{(\ )\ \text{[illegible]}^{sa}-j^{ik}_{sa}+1)} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk} \frac{(n_{ik}\text{[illegible]}j^{sa}+j^{ik}_{sa}-j_{sa}-j_s-s-\Bbbk)!}{(\text{[illegible]}+j^{sa}\text{[illegible]}j^{ik}_{sa}-\boldsymbol{n}-j_{sa}-\Bbbk-j^{s}_{sa})!\cdot(\boldsymbol{n}-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!} $$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} = 1 \text{[illegible]} \leq D - \text{[illegible]}\boldsymbol{n} + 1 \wedge$

$\text{[illegible]} \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]}\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + j^{ik}\text{[illegible]} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \cdots, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\} \vee \boldsymbol{s}: \{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})! \cdot (j^{sa}-j_{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\,)} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\,)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk)!}{(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \boldsymbol{n} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$f_{\ldots j_s, j^{sa}}^{\ldots \text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}, \cdots, j_{sa}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-j_{sa}-j_s-s-\Bbbk\right)!}{\left(n_{ik}+j^{sa}+j_{sa}^{ik}-\boldsymbol{n}-j_{sa}-\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{j_{sa}^{s}}
\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot
\frac{(n_{sa}-1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}
\frac{(n_{ik} + j^{sa} + j_{sa}^{ik} - j_{sa} - j_s - s - \Bbbk)!}{(n_{ik} + j^{sa} + j_{sa}^{ik} - \boldsymbol{n} - j_{sa} - \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

DİZİN

B

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, 2.3.2.2.1.1.1.1/61

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 bağlı

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

ilk simetrik olasılık, 2.3.2.1.2.6.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.6.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.6.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir 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 bağımsız-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 bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.2.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.2.3.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.2.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.1.1.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.1.1/5

dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.1.2.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.2.1/5

dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.1.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.1.1/6-7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.2.1/6-7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.6.1.1.1/5

ilk düzgün 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

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

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 bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık, 2.3.2.1.7.7.2.1/7
- ilk düzgün simetrik olasılık, 2.3.2.2.7.7.2.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.2.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

- ilk simetrik olasılık, 2.3.2.1.7.7.3.1/5
- ilk düzgün simetrik olasılık, 2.3.2.2.7.7.3.1/3-4
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

- ilk simetrik olasılık, 2.3.2.1.10.1.1.1/5
- ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz 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, 2.3.2.1.11.2.2.1/6

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

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 ana eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer eşitlikler ise ana eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde dış kaynak kullanılmamıştır.