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 2.3.2.3.3.1.1.7

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 2.3.2.3.3.1.1.7

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<u>KÜTÜPHANE BİLGİLERİ</u>

Yılmaz, İsmail.

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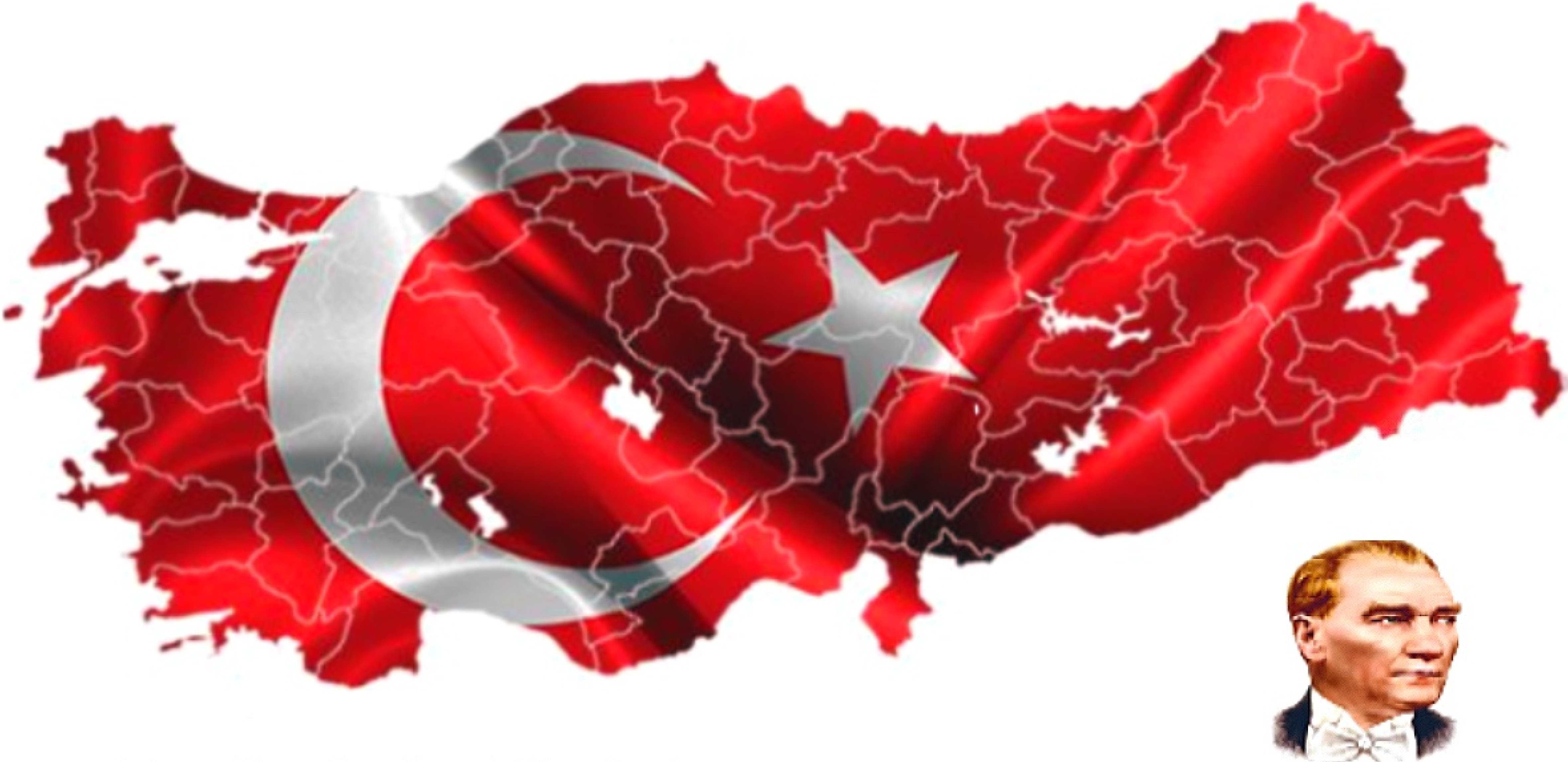
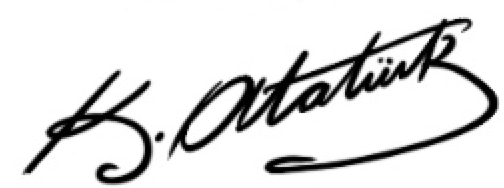
1. Bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre ilk düzgün olmayan simetrik olasılık

Dili: Türkçe + Matematik Mantık





Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

d

Yazar Hakkında

İsmail YILMAZ; Hamzabey Köyü, Yeniçağa, Bolu'da 1973 yılında doğdu. İlkokulu köyünde tamamladıktan sonra, ortaokulu Yeniçağa ortaokulunda tamamladı. Liseyi Ankara Ömer Seyfettin ve Gazi Çiftliği Liselerinde okudu. Lisans eğitimini Çukurova Üniversitesi Fen Edebiyat Fakültesi Fizik bölümünde, yüksek lisans eğitimini Sakarya Üniversitesi Fen Bilimleri Enstitüsü Fizik Anabilim Dalında ve doktora eğitimini Gazi Üniversitesi Eğitim Bilimleri Enstitüsü Fen Bilgisi Eğitimi Anabilim Dalında tamamladı. Fen Bilgisi Eğitiminde; Newton'un hareket yasaları, elektrik ve manyetizmanın prosedürel ve deklaritif bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın farklı alanlarda yapmış olduğu çalışmalar arasında ölçme ve değerlendirmeye yönelik çalışmaları da mevcuttur.

VDOİHİ

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

VDOİHİ'de Olasılık;

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

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

f

İÇİNDEKİLER

Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

ι: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

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

${}_{i}\boldsymbol{l}$: 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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E2

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

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

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilen dağılımlara ve bağımlı olasılıklı dağılımların kendi olay sayısından (bağımlı olay sayısı) büyük olaylara (bağımsız olay sayısı) dağılımıyla bağımlı ve bir bağımsız olasılık dağılımlar elde edilir. Bağımlı dağılım farklı dizilimsiz dağılımda 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 hariç dağılımın herhangi bir durumuyla başlayan dağılımlar (bunun yerine farklı dizilimli dağılımlarda simetride bulunmayan bir durumla başlayan dağılımlar) ve dağılımın ilk durumu hariç olasılık 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 sonuna simetrinin bağımlı ve bağımsız durumlarına göre ve dağılımın bağımsız veya bağımlı durumla başlamasına göre “Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı/bağımsız-bağımlı/bağımlı-bir bağımsız/bağımlı-bağımsız/bağımsız-bağımsız durumlu /bağımsız/bağımlı” kelimeleri getirilerek, simetrinin bağımlı durumlarının bulunabileceği olaylara göre bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz adları elde edilecektir. Simetriden seçilen durumların bulunabileceği olaylara göre simetrik, düzgün simetrik veya düzgün olmayan simetrik olasılık için birden fazla ad kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetrinin durumlarının bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırasına göre verilen eşitliklerdeki toplam sıra 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 olan 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

 $D > \boldsymbol{n} < n$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-1}\sum_{(n_{sa}=n_{ik}+j_{sa}-\Bbbk)}^{(}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$f_{[illegible]_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}^{[illegible]} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-[illegible]_{sa}+1)}^{(\boldsymbol{n}-s+[illegible])} \sum_{j^{sa}=j_s+j_{sa}-1}^{[illegible]}\right.$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\text{[illegible]}\right)}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-\text{[illegible]}\Bbbk-j_{sa}^{s}\right)}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\text{[illegible]}-s)!}\cdot$$

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

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

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

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

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

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

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

$j_{sa} \leq j_{sa} - \text{[illegible]} \land j_{sa}^{s} \leq \text{[illegible]} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_s\text{[illegible]}\} \land$

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2\cdot n_{ik}+j^{\text{[illegible]}}\ 2\cdot j_{sa}^{ik}-n_{sa}\ \text{[illegible]}\ 2\cdot j_{sa}-\text{[illegible]}_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+\text{[illegible]}_{a}^{ik}-n_{sa}-\text{[illegible]}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

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

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

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

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

$\text{[illegible]} \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

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

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

$\text{[illegible]} \geq \boldsymbol{n}\ \text{[illegible]}\ \wedge I = \Bbbk = 0 \wedge$

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

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

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

$D > \boldsymbol{n} < n$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{[illegible]}-2\cdot j_{sa}[illegible]-s-2\cdot\Bbbk\right)[illegible]}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n[illegible]2\cdot j_{sa}[illegible]2\cdot\Bbbk-j_{sa}^{s}\right)!}$$

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

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

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

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

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

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

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

$[illegible]D\geq\boldsymbol{n}[illegible]\wedge I=\Bbbk=[illegible]\wedge$

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

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

$[illegible]\geq3\wedge[illegible]s)\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n [illegible] - 2 \cdot j_{sa} [illegible] - s - 2 \cdot \Bbbk\right) [illegible]}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n [illegible] 2 \cdot j_{sa} [illegible] \cdot \Bbbk - j_{sa}^{s}\right)!}$$

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

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

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

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

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

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

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

$(D \geq \boldsymbol{n} [illegible] \land I = \Bbbk = [illegible] \land$

$j_{sa} \leq [illegible] - 1 [illegible] - 1 \land$

$\boldsymbol{s}\colon \{ j_{sa}^{s}, , j_{sa} [illegible], j_{sa}^{i} \} \land$

$[illegible] > 3 \land [illegible] s) \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{1}{(\boldsymbol{n}+\boldsymbol{l_i}-j_s-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

$s\geq 4\wedge s=s)\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2 \cdot n_{ik} + j^{s \text{[illegible]}} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(\text{[illegible]} n_{ik} + \text{[illegible]}^{a} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\big(\text{[illegible]}\,n_{ik}+j\text{[illegible]}2\cdot j_{sa}\text{[illegible]}n_{sa}\text{[illegible]}\cdot j_{sa}-j_s-s-2\cdot\Bbbk\big)!}{\big(\text{[illegible]}\,n_{ik}+j^{sa}+\text{[illegible]}j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\big)!}\cdot$$

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

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

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

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

$2 \text{[illegible]} j_s \leq \text{[illegible]}^{a} - j_{sa} + 1 \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$s\geq 2\wedge \boldsymbol{s}=s)\Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$D > \boldsymbol{n} < n$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$${}_{f\,Z}\text{[illegible]}^{İSO}{}_{j^{sa}}=\left(\sum_{k=1}^{\text{[illegible]}}\sum_{\text{[illegible]}=j^{sa}-j_{sa}+1)}^{(\text{[illegible]})}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-[illegible]-s-[illegible]\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-[illegible]\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+[illegible]-j_s-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\text{[illegible]}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-\text{[illegible]}\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\text{[illegible]}-s)!}\cdot$$

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

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

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

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

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

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

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l}\text{[illegible]}\leq D+\boldsymbol{l_{ik}}+j\text{[illegible]}-\boldsymbol{n}-j_{s\text{[illegible]}}^{ik}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1}\right.$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - [illegible]}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + [illegible]}^{n} \sum_{[illegible] = \boldsymbol{n} + [illegible] j_s + 1)}^{([illegible] j_s + 1)}$$

$$\sum_{n_{ik} = [illegible]} \sum_{(n_{sa} = [illegible] j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + [illegible]^{sa} + 2 \cdot [illegible] n_{sa} - [illegible] j_{sa} - j_s - [illegible] 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - [illegible] - \boldsymbol{n} - [illegible] j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D [illegible] j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D [illegible] \boldsymbol{n} < n \wedge [illegible] > 1 \wedge [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} [illegible] 1 \wedge$

$j_s + j_{sa} [illegible] 1 \leq j^{sa} \leq \boldsymbol{n} [illegible] j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 [illegible] \boldsymbol{l_s} \wedge \boldsymbol{l} [illegible] + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D [illegible] j_{sa}^{ik} [illegible] \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < [illegible] \wedge I = \Bbbk = 0 \wedge$

$j_{sa} [illegible] j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}\text{[illegible]}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}n_{sa}\text{[illegible]}j^{sa})!}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(n_{\text{[illegible]}}+j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j^{s\text{[illegible]}}}\cdot$$

$$\frac{(\boldsymbol{l}\text{[illegible]}2)!}{(\boldsymbol{l_s}-j_s\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}\text{[illegible]})!\cdot(j^{s\text{[illegible]}}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}\text{[illegible]}\boldsymbol{sa}-s)!}{(D\text{[illegible]}j^{sa}-\text{[illegible]}\boldsymbol{l}\text{[illegible]}(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j^{ik}_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j^{ik}_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 = \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \le j^{i}_{sa} - 1 \wedge j^{s}_{sa} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, , j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\mathbb{k}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-\boldsymbol{l_i}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-\boldsymbol{l_s}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İso}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n}} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İ}so} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{\text{[illegible]}})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\text{[illegible]} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} \text{[illegible]})!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s \text{[illegible]} 2)!} \cdot$$

$$\frac{(\text{[illegible]} \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + \text{[illegible]})!}{(\text{[illegible]} + \boldsymbol{l}_{\boldsymbol{sa}} - j^{s\text{[illegible]}} \boldsymbol{l}_{\boldsymbol{s}})! \cdot (\text{[illegible]} - j_s \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\left. \frac{(\text{[illegible]} + j_{sa} - \text{[illegible]} - s)!}{(D + j^{sa} - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} \text{[illegible]}_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l}_{\boldsymbol{s}})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} - 2)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_{\boldsymbol{i}})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{i}} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > 1 \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l} \ldots j_{sa} - \boldsymbol{n} \ldots) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \ldots \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < \ldots I = \mathbb{k} = \ldots \land$

$j_{sa} \ldots - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \ldots, j_{sa}^{i}\} \land$

$\ldots = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right. $$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{\text{[illegible]}})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\text{[illegible]})!}{(\text{[illegible]}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l}_{\text{[illegible]}}-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{s\text{[illegible]}}\text{[illegible]}\boldsymbol{l_s})!\cdot(\text{[illegible]}-j_s\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{a}-j^{sa}-s)!}\right)-$$

$$\sum_{\text{[illegible]}}\ \sum_{(\text{[illegible]}\,j_{sa}+1)}^{(\text{[illegible]}}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$D > \boldsymbol{n} < n$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 1 \wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \ldots, j_{sa}^{i}\right\} \wedge$

[illegible] $= s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İ}so} = \Bigg(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1} $$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\cdots-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\cdots\boldsymbol{l}_s-j_{sa}+\cdots)!}{(\cdots+\boldsymbol{l}_{sa}-j^{sa}\cdots\boldsymbol{l}_s)!\cdots j_s\cdots j_{sa}+1)!}\cdot$$

$$\left.\frac{(\cdots+j_{sa}-\cdots-s)!}{(D+j^{sa}-\boldsymbol{n}-\cdots)!\cdot(\boldsymbol{n}\cdots j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{\cdots=1} \sum_{(j\cdots+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l}_s)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > 1 \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{( )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{( )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > j_{sa} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{\mathrm{I}}so} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}-2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_i}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+1-\boldsymbol{n}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )} $$

$$ \frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot $$

$$ \frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j_{sa}}^{ik} = \sum_{k=1}^{} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s}, j_{sa}, \ldots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=\Bbbk+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\text{[illegible]})}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\text{[illegible]})}$$

$$\frac{\left(2\cdot n_{ik}+j^{s}\text{[illegible]}-2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\text{[illegible]}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \boldsymbol{l_{sa}} - j_{sa} + 1$

$j_s + \Bbbk - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} \leq D + \text{[illegible]} - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
\sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\;)}
$$

$$
\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j^s_{sa}\right)!} \cdot
\frac{1}{(\boldsymbol{n} + j^s_{sa} - j_s - s)!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1}^{\cdots} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{\cdots} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k} \sum_{(j_{sa}=j^{s}_{sa}+j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s \cdots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \cdots s)!}{(D + j^{sa} - \boldsymbol{n} \cdots)! \cdot (\boldsymbol{n} + j_s \cdots - j^{sa} - s)!}$$

$$\sum \sum_{(j_s = j^{sa} \cdots + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\cdots - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}-2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge I_s = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{\text{[illegible]}}}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{\text{[illegible]} = \boldsymbol{n} + \text{[illegible]} j_s + 1)}^{(\text{[illegible]} j_s + 1)}$$

$$\sum_{n_{ik} = \text{[illegible]} + j_{sa} \text{[illegible]}^{ik}} \sum_{(n_{sa} = \text{[illegible]} j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + \text{[illegible]}^{sa} + 2 \cdot j_{sa}^{\text{[illegible]}} - n_{sa} - \text{[illegible]} j_{sa} - j_s - \text{[illegible]} 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - \text{[illegible]} - \boldsymbol{n} - \text{[illegible]} j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \text{[illegible]} j^{sa} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \text{[illegible]} \boldsymbol{n} < n \wedge \text{[illegible]} > 1 \wedge \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} \text{[illegible]} 1 \wedge$

$j_s + j_{sa} \text{[illegible]} 1 \leq j^{sa} \leq \boldsymbol{n} \text{[illegible]} j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \text{[illegible]} \boldsymbol{l_s} \wedge \boldsymbol{l} \text{[illegible]} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \text{[illegible]} j_{sa}^{ik} \text{[illegible]} \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \text{[illegible]} j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=n_i+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ldots)}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{i} - 2 \cdot j_{sa} - \ldots - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - \ldots \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{\ldots}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \ldots - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{s[illegible]}j_{sa}+1}^{\boldsymbol{l}_{[illegible]}+j_{sa}-j_{sa}^{ik}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{[illegible])}$$

$$\sum_{n_{i[illegible]}n_{is}+j_{sa}^{s}-j_{s[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{[illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{s[illegible]}2\cdot j_{sa}^{ik}-n_{sa}[illegible]2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2[illegible]_{a}^{ik}-n_{sa}-[illegible]-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq [illegible] < n \wedge \boldsymbol{l_s} > [illegible] \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1 [illegible]$

$j_s + [illegible] 1 \leq j^{s[illegible]} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$[illegible] - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+\ldots 1} $$

$$ \sum_{n_i=\ldots}^{n} \sum_{n_{is}=\boldsymbol{n}-j_s\ldots}^{(n_i-j_s\ldots)} \sum_{\ldots-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik}+1)} \sum_{(j_s=2)} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )} $$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I \wedge \mathbb{k}=0 \wedge$

$j_{sa} \leq j^{sa}-1 \wedge j_{sa}^{s} \leq j^{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa},, j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge s=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\cdots+\boldsymbol{n}-D-\cdots+1)}^{(\cdots j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\cdots-s}$$

$$\sum_{n\cdots}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n}+j_{sa}^{s}-[illegible]-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-[illegible]-\boldsymbol{l_i}-j_{sa}[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+\ldots)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+\ldots)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-\ldots}^{\boldsymbol{l_s}+j_{sa}\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}\ldots-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s\ldots j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(\ldots n_{ik}+j\ldots+2\cdot j_{sa}\ldots n_{sa}\ldots\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(\ldots n_{ik}+j^{sa}+\ldots j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \ldots > \ldots \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-\ldots \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$fz[illegible]SO_{[illegible]sa} = \sum_{[illegible]1}^{[illegible]} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(\text{[illegible]} + \boldsymbol{l_{sa}} - j^{sa} - \text{[illegible]})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\text{[illegible]} + j^{sa} - \boldsymbol{n} - \boldsymbol{l}\text{[illegible]})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\wedge$

$(D\geq\boldsymbol{n}<n\wedge$ [illegible] $=\mathbb{k}=0$ [illegible]

j_{sa} [illegible] $j_{sa}^{i}-1\wedge j_{sa}^{s}$ [illegible] -1 [illegible]

[illegible] $\{j_{sa}^{s},,j_s$ [illegible] $\ldots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot \Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot \Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_i}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa})\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - [illegible]}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} [illegible]}^{n} \sum_{[illegible] = \boldsymbol{n} + [illegible] j_s + 1)}^{([illegible] j_s + 1)}$$

$$\sum_{n_{ik} [illegible] j^{ik}} \sum_{(n_{sa} = [illegible] + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_s [illegible] - n_{sa} - [illegible] j_{sa} - j_s [illegible] 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - [illegible] - \boldsymbol{n} - [illegible] j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D [illegible] j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n$ [illegible] $= 1 \wedge$ [illegible] $\leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa}$ [illegible] $1 \wedge$

$j_s + j_{sa}$ [illegible] $1 \leq j^{sa} \leq \boldsymbol{n}$ [illegible] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l}$ [illegible] $j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

D [illegible] j_{sa} [illegible] $\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \Bbbk = 0 \wedge$

j_{sa} [illegible] $j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
$$

$$
\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
$$

$$
\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}
$$

$$
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot
$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S^{0}_{j_s,j_{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}+j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{j}S^{\dot{I}so}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_s+j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{j}S^{İso}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{s}\ [illegible]\ j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ [illegible]\sum_{[illegible]\ n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}\ [illegible]}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot [illegible]_{sa}^{ik}-n_{sa}-2\ [illegible]-j_s\ [illegible]\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot [illegible]-n_{sa}-[illegible]\ 2\cdot j_{sa}\ [illegible]\ 2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{([illegible]+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D$ [illegible] $\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-$ [illegible] $\wedge$

$\boldsymbol{l_{ik}}-$ [illegible] $^{ik}+1=\boldsymbol{l_s}$ [illegible] $+j_{sa}^{ik}-j_{sa}=$ [illegible] $+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}$ [illegible] $D+s-$ [illegible]

$(D$ [illegible] $\boldsymbol{n}<n\wedge I=$ [illegible] $0\wedge$

[illegible] $\leq j_{sa}^{i}$ [illegible] $1\wedge j_{sa}^{s}\leq j_s$ [illegible] $-1\wedge$

$\boldsymbol{s}:\{j_{s}^{s}$ [illegible] $j_{sa},\cdots$ [illegible]

$s\geq 3\wedge\boldsymbol{s}$ [illegible] $s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_s-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_{sa}^{s} - 2 \cdot \Bbbk)!}{(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge D + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - \text{[illegible]}} -$$

$$\sum_{k=1} \sum_{(j_s=\text{[illegible]})}^{(\;)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_s \text{[illegible]} j^{sa}-j_{sa}^{ik}+1)}^{(\;)} \sum_{\text{[illegible]}=n_{ik}+j_{sa}^{ik}-j_{sa}-\text{[illegible]}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \text{[illegible]} - \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \text{[illegible]} 2 \cdot j_{sa} \text{[illegible]} 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\text{[illegible]} + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D$ [illegible] $\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa}$ [illegible] $\wedge$

$\boldsymbol{l_{ik}}$ [illegible] $+ 1 > \boldsymbol{l_s}$ [illegible] $+ j_{sa}^{ik} - j_{sa}$ [illegible] $+ j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

[illegible] $j_{sa}^{ik} - \boldsymbol{n}$ [illegible] $\leq D$ [illegible] $+ j_{sa}^{ik} -$ [illegible] $- 1 \wedge$

$(D$ [illegible] $\boldsymbol{n} < n \wedge I =$ [illegible] $= 0 \wedge$

[illegible] $\leq j_{sa}^{ik}$ [illegible] $1 \wedge j_{sa}^{s} \leq j_s$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}$, [illegible] $j_{sa}, \cdots$ [illegible] $\} \wedge$

s [illegible] $3 \wedge$ [illegible] $s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}\sum_{n_{sa}=n_{ik}+j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_{sa}^{s} - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1}^{[illegible]} \sum_{(j_s=1)}^{[illegible])} \sum_{j^{sa}=[illegible]}^{[illegible]} \sum_{\boldsymbol{l_i}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}}^{[illegible]} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{([illegible]-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}} \sum_{n_i} \sum_{n_{sa}=(n_i-j^{sa}+1)}^{(n_i-j^{sa}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} \frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}:\{j_{sa}, j_{sa}^{s}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = 3) \Rightarrow$

$${}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\cdots+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}\sum_{n_{sa}=n_{ik}}^{\cdots j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\cdots-j_{sa}-j^{s}_{sa}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \cdots \boldsymbol{l_{sa}} + j_{sa} - j \cdots \le \boldsymbol{l_{ik}} \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa} \le j^{i}_{sa} - \cdots \wedge j^{s}_{sa} = j \cdots - 1 \wedge$

$\boldsymbol{s}: \{\cdots, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = \cdots + \Bbbk \wedge$

$\Bbbk_z \cdots) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-[illegible])}^{(\;)}$$

$$\frac{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk[illegible])}{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-[illegible]\Bbbk-j_{sa}^{s})}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n}[illegible]^{s}-[illegible]-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{([illegible]-\boldsymbol{l_i})!}{(D[illegible]^{sa}+s-[illegible]-\boldsymbol{l_i}-j_s[illegible])!\cdot(\boldsymbol{n}+j_{sa}[illegible]^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_s[illegible]s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_s[illegible] - j_{sa} > \boldsymbol{l_{ik}} \land$

$(D \geq \boldsymbol{n} < n \land I[illegible]\Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa} - [illegible] \land j_{sa}^{s} = [illegible] - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j[illegible]\} \land$

$s \geq [illegible]\boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1)$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-\text{[illegible]}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-\text{[illegible]})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\text{[illegible]}}^{\boldsymbol{n}+\text{[illegible]}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} + j_{sa} - \text{[illegible]})!}\right) -$$

$$\sum_{k=1} \sum_{(\text{[illegible]} \boldsymbol{l_i} + \boldsymbol{n} - \text{[illegible]})}^{(\boldsymbol{n} - s + \text{[illegible]})} \sum_{j^{\text{[illegible]}} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\;)}$$

$$\frac{\left(2 \cdot \text{[illegible]} + j^{sa} + 2 \text{[illegible]}_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + \text{[illegible]}^{sa} + 2 \text{[illegible]}_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \text{[illegible]} \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$\text{[illegible]} j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right) -$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{[illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{s}[illegible]2\cdot j_{sa}^{ik}-n_{sa}[illegible]2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2[illegible]j_{sa}^{ik}-n_{sa}-\boldsymbol{n}[illegible]-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > D [illegible]\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j[illegible]-j_{sa}+1$

$j_s + [illegible]-1 \leq j[illegible] \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$[illegible] > \boldsymbol{n}[illegible] n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{\text{[illegible]}}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{\text{[illegible]}}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]})!}{(j_s-2)!\cdot(n_i\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-\text{[illegible]}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}-j^{s\text{[illegible]}})!}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(n_{sa}+\text{[illegible]}-\boldsymbol{n}-1)!\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\text{[illegible]}-j_{sa}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}\text{[illegible]}j^{sa}\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{s\text{[illegible]}}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+$ [illegible] $-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}$ [illegible] $>\boldsymbol{l_{ik}})\big)\wedge$

$(D\geq$ [illegible] $<n\wedge I=$ [illegible] $\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge$ [illegible] $=j_{sa}$ [illegible] $1\wedge$

$\boldsymbol{s}\colon\{$ [illegible] $\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}$

[illegible] $\geq 3\wedge$ [illegible] $s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z$ [illegible] $1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s \text{[illegible]})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \text{[illegible]} - s)!}\right)$$

$$\left(\sum_{k=1} \sum_{(j_s = \text{[illegible]} - D)}^{(j^{sa} \text{[illegible]})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \text{[illegible]}}^{\boldsymbol{n} + \text{[illegible]} - s}\right.$$

$$\sum_{\text{[illegible]} = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} \text{[illegible]} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} \text{[illegible]} - j^{sa} + 1}^{\text{[illegible]} n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i \text{[illegible]} n_{is} - 1)!}{(j_s \text{[illegible]} 2)! \cdot (n_i \text{[illegible]} n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{i} \text{[illegible]} - n_{sa} - 1)!}{(j^{sa} \text{[illegible]} (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{s}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_{s}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_{s})!\cdot(j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_{s}\leq j^{sa}-j_{sa}+1\wedge$

$j_{s}+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_{s}\leq j^{sa}-j_{sa}+1\wedge$

$j_{s}+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_{s}\leq j^{sa}-j_{sa}+1\wedge$

$j_{s}+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_{z}:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} +
$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}-\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\text{[illegible]}\, j^{sa}-\text{[illegible]}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{\Bbbk z}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}\ldots)}^{(\ )}$$

$$\frac{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\ldots)!}{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-\ldots\Bbbk-j_{sa}^{s})!}\cdot$$

$$\frac{\ldots}{(\boldsymbol{n}\ldots-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l_i})!}{(D\ldots j^{sa}+s-\ldots-\boldsymbol{l_i}-j_s\ldots)!\cdot(\boldsymbol{n}+j_{sa}\ldots-s)!}$$

$D\ge\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\le j_s\le j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}\ldots s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j\ldots-j_{sa}=\boldsymbol{l_{ik}}\wedge\ldots+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\ge\boldsymbol{n}<n\wedge I\ldots\Bbbk\ge0\wedge$

$j_{sa}\le j_{sa}-\ldots\wedge j_{sa}^{s}=\ldots-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots\ldots\}\wedge$

$s\ge\ldots\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)$

$${}_{fz}S^{\text{İSO}}_{j_s,j^{sa}}=\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + \text{[illegible]})}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - \text{[illegible]}}^{\boldsymbol{n} + j_{sa} - \text{[illegible]}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \text{[illegible]} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s \text{[illegible]} j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{(\text{[illegible]}\, n_{ik} + j \text{[illegible]} + 2 \cdot j_{sa} \text{[illegible]}\, n_{sa} \text{[illegible]} \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k})!}{(\text{[illegible]}\, n_{ik} + j^{sa} + \text{[illegible]}\, j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \land \text{[illegible]} \geq D \text{[illegible]}\, \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - \text{[illegible]} \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot
\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-j_s-s)!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S^{jso}_{j^{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}\text{[illegible]})}^{(\;)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot \Bbbk\text{[illegible]}\right)}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-\text{[illegible]}\Bbbk-j_{sa}^{s}\right)}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\text{[illegible]}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\text{[illegible]}-\boldsymbol{l_i}-j_s\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\text{[illegible]}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_s\text{[illegible]}s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{s}\text{[illegible]}-j_{sa}=\boldsymbol{l_{ik}}\wedge\text{[illegible]}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I\text{[illegible]}\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}-\text{[illegible]}\wedge j_{sa}^{s}=\text{[illegible]}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots\text{[illegible]}\}\wedge$

$s\geq\text{[illegible]}\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-[illegible]s+1)}^{(\boldsymbol{n}-s+[illegible])}\ \sum_{j^{sa}=j_s+j_{sa}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{([illegible]n_{ik}+j[illegible]+2\cdot j_{sa}[illegible]n_{sa}[illegible]\cdot j_{sa}-j_s-s-2\cdot\mathbb{k})!}{([illegible]n_{ik}+j^{sa}+[illegible]j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge [illegible] \geq D [illegible] \boldsymbol{n} + 1 \wedge$

$2 [illegible] j_s \leq [illegible]^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$ {}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j^{s}_{sa}\right)!} \cdot $$

$$ \frac{1}{(\boldsymbol{n} + j^{s}_{sa} - j_s - s)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-\ \Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}\ \ s\ -\ \ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ \ j^{sa}+s-\ \ -\boldsymbol{l_i}-j_s\ )!\cdot(\boldsymbol{n}+j_{sa}\ \ j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{s} - j_{sa} > \boldsymbol{l_{ik}} \wedge \ \ + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I\ \ \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{\ } - \ \wedge j_{sa}^{s} = \ \ - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, \ \} \wedge$

$s \geq \ \ \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1)$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} + \boldsymbol{l_s} + j_{sa} - s = \boldsymbol{l_{a}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\text{[illegible]})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-\text{[illegible]}^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}\text{[illegible]})}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-\text{[illegible]}}^{\boldsymbol{n}+j_{sa}\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}\text{[illegible]}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s\text{[illegible]}j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{(\text{[illegible]}\,n_{ik}+j\text{[illegible]}2\cdot j_{sa}\text{[illegible]}n_{sa}\text{[illegible]}\cdot j_{sa}-j_s-s-2\cdot\mathbb{k})!}{(\text{[illegible]}\,n_{ik}+j^{sa}+\text{[illegible]}j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \text{[illegible]} \geq D \text{[illegible]} \boldsymbol{n} + 1 \wedge$

$2 \text{[illegible]} j_s \leq \text{[illegible]}^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - \text{[illegible]} \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D > \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \le j_s \le j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D > \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \le j_s \le j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \land$

$(D \geq \mathbf{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \mathbf{s} = s + \Bbbk \wedge$

$\Bbbk_{z}: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-2)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{ik} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_s\} \wedge$

$s \geq 1 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{s}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_{s}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_{s})!\cdot(j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{s} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}\text{[illegible]}-j^{sa})!}\cdot
$$

$$
\frac{\text{[illegible]}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j\text{[illegible]}}\cdot
$$

$$
\frac{(\text{[illegible]}-2)!}{(\boldsymbol{l_s}-j_s\text{[illegible]}_s-2)!}\cdot
$$

$$
\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}\text{[illegible]})!\cdot(j^{\text{[illegible]}}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}\text{[illegible]}\boldsymbol{l_{sa}}-s)!}{\text{[illegible]}+j^{sa}\text{[illegible]}\boldsymbol{n}-\boldsymbol{l}\text{[illegible]}\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-j_s-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\!:\{j_{sa}^{s},\mathbb{k},j_s,\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+1 \wedge$

$\mathbb{k}_z\!: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]}-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+\text{[illegible]}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{\text{[illegible]}\,j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_s})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{l_i} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1}^{\mathbb{k}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j^{s}_{sa}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot \mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot \mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq \boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge \boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \text{[illegible]} - j_{sa} + 1)!}{(\text{[illegible]} + \boldsymbol{l_{sa}} - \text{[illegible]} \boldsymbol{s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\sum_{[illegible]\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}=[illegible]}\sum_{(n_{sa}=[illegible]j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+[illegible]^{sa}+2\cdot j_{sa}[illegible]n_{sa}-[illegible]j_{sa}-j_s-[illegible]2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-[illegible]-\boldsymbol{n}-[illegible]j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

D [illegible] $\boldsymbol{n} < n \wedge$ [illegible] $> 1 \wedge \boldsymbol{l}$[illegible] $\leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq$ [illegible] $\leq j^{sa} - j_{sa}$ [illegible] $1 \wedge$

[illegible] $+ j_{sa}$ [illegible] $1 \leq j^{sa} \leq \boldsymbol{n}$ [illegible] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\wedge \boldsymbol{l}$[illegible] $+ j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D$ [illegible] $\boldsymbol{n}$ [illegible] $n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} -$ [illegible] $\wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+[illegible]-\boldsymbol{l_{sa}}[illegible])!}{(D-j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}\ldots+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\ldots}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}\ldots\mathbb{k})}^{(\ldots)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-\ldots-2\cdot j_{sa}-\ldots-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\ldots\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\ldots}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ldots\boldsymbol{l_i})!}{(D+j^{sa}+\ldots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\ldots+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+\ldots\wedge$

$j_s+j_{sa}-1\leq\ldots\leq\boldsymbol{n}+\ldots-s\wedge$

$\boldsymbol{l_{ik}}-\ldots^{ik}+1=\boldsymbol{l_s}\wedge\ldots+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\ldots\leq\boldsymbol{l_{sa}}\leq D\ldots\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\ldots<n\wedge\ldots\geq0\wedge$

$j_{sa}\leq j_{sa}^{i}-\ldots\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\{j^{s}\ldots_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\,)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$S_{i,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum\ \sum_{(\ldots a+\boldsymbol{n}-D-j_{sa}+1)}^{(\ldots-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}, j_{sa}^{ik}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z > 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_s)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-\boldsymbol{l_{sa}}-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{\boldsymbol{l_i}} \sum_{(j_{sa}=j_{sa}+1)}^{( )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{( )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{f_z}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\text{[illegible]})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}-j^{s}\ \text{[illegible]}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\text{[illegible]}-\boldsymbol{l_i}-j_s\ \text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}^{\text{[illegible]}} = \sum_{k=1} \sum_{(j_s=\text{[illegible]})}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\text{[illegible]}j_{sa}-1}$$

$$\sum_{n_i=\text{[illegible]}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\text{[illegible]}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{([illegible]\boldsymbol{l_s}-j_{sa}+[illegible])!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} \ge$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_s, \ldots, j_{sa}^{i}\right\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$ [illegible] $- \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j$[illegible]$+ 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq$ [illegible] $+ j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq$ [illegible] $+ j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $I = \mathbb{k} \geq$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_s$ [illegible] $\dots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\ \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{\boldsymbol{l_i}=\cdots} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} \geq$ [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] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_s - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_s})! \cdot (\boldsymbol{n} + j_s - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{(\boldsymbol{n}-j_s)!}{(\boldsymbol{n}+j_s-j^{sa}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{\imath}so}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$j_Z{}^{iSO}{}_{sa} = \left(\sum_{k=[illegible]} \sum_{[illegible]\boldsymbol{n}-D-j_{sa}+1)}^{[illegible]s)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{s=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}\text{[illegible]}s-\text{[illegible]}\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}\text{[illegible]}\cdot j_{sa}-2\cdot\text{[illegible]}j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\text{[illegible]}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_s}\leq\text{[illegible]}-\boldsymbol{n}+1\text{[illegible]}$

$1\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{s}\text{[illegible]}\leq\boldsymbol{n}+j_{sa}-s\text{[illegible]}$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s}\land\boldsymbol{l_s}\text{[illegible]}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l}\text{[illegible]}\land\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\land$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\text{[illegible]}$

$(D\geq\text{[illegible]}<n\land I=\Bbbk\geq\text{[illegible]}0\land$

$j_{sa}\leq j_{sa}^{i}-\text{[illegible]}\land j_{sa}^{s}=j\text{[illegible]}-1\land$

$\boldsymbol{s}:\{\text{[illegible]},j_{sa},\cdots,j_{sa}\}\land$

$s\geq 3\land\boldsymbol{s}=\text{[illegible]}+\Bbbk\land$

[illegible]$)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D \text{[illegible]} -\boldsymbol{l_{sa}}- \text{[illegible]})!}{(D+j^{sa}-\boldsymbol{n}- \text{[illegible]})!\cdot(\text{[illegible]} j_{sa} \text{[illegible]} j^{sa}-s)!}-$$

$$\sum_{n_{\text{[illegible]}}}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{sa}}}
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} \text{[illegible]} j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} \text{[illegible]} - s \text{[illegible]} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z \text{[illegible]} 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+[illegible]}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=[illegible]}^{n}\ \sum_{[illegible]=\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}[illegible]j^{ik}}\ \sum_{(n_{sa}=[illegible]+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_s[illegible]-n_{sa}-[illegible]j_{sa}-j_s[illegible]2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-[illegible]-\boldsymbol{n}-[illegible]j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge[illegible]>1\wedge[illegible]\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}[illegible]1\wedge$

$j_s+j_{sa}[illegible]1\leq j^{sa}\leq\boldsymbol{n}[illegible]j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+[illegible]\boldsymbol{l_s}\wedge\boldsymbol{l}[illegible]j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D[illegible]<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<[illegible]\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}[illegible]j_{sa}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\mathrm{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$fz^{jso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-[illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_s}[illegible]2)!}{([illegible]-j_s)![illegible]_s-2)!}\cdot$$

$$\frac{(D-[illegible]}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})![illegible]+j_{sa}-j^{sa}[illegible])!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}[illegible]+j_{sa}-s>[illegible]_a \land$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \land$

$(D \geq \boldsymbol{n} < n \land I=\mathbb{k} \geq 0$ [illegible]

$j_{sa} \leq j_{sa}^{i}-1 \land j_{s[illegible]}^{s}=j_{sa}-1 \land$

$\boldsymbol{s}:\left\{j_{sa}^{s}[illegible], j_{s[illegible]}, \cdots, j_{sa}^{i}\right\}$ [illegible]

$s \geq 3 \land \boldsymbol{s}=s$ [illegible] $\land$

$\mathbb{k}_z: [illegible] 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]})!}-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\text{[illegible]}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{\text{[illegible]})}$$

$$\frac{\left(2\cdot n_{ik}+j^{\text{[illegible]}}\ 2\cdot j_{sa}^{ik}-n_{sa}\ \text{[illegible]}\ 2\cdot j_{sa}-\text{[illegible]}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+\text{[illegible]}_{sa}^{ik}-n_{sa}-\text{[illegible]}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\text{[illegible]}<n\wedge\boldsymbol{l_s}>1\ \text{[illegible]}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j\text{[illegible]}-j_{sa}+1$

$j_s+\text{[illegible]}-1\leq j\text{[illegible]}\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\text{[illegible]}+j\text{[illegible]}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-\boldsymbol{s}}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{l_{ik}}+[illegible]-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{[illegible])}$$

$$\sum_{n_{ik}[illegible]_{is}+j_{sa}^{s}-j[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{[illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{s}[illegible]2\cdot j_{sa}^{ik}-n_{sa}[illegible]2\cdot j_{sa}-[illegible]_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2[illegible]^{ik}_{a}-n_{sa}-[illegible]2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] n \wedge \boldsymbol{l_s} > 1 [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1$

$j_s + [illegible] - 1 \leq j[illegible] \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$[illegible]\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s\geq 3\wedge \boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\,)}\sum_{j^{sa}=j_s+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\,)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge j^{sa} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + \boldsymbol{n} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_s} + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$ {}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\Bbbk=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n}\sum_{(n_s=\boldsymbol{n}+1-j_s+1)}^{(n-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_s-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+1-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge I>1\wedge\boldsymbol{l_i}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\dot{\imath}so}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=[illegible]+\Bbbk-j_s+1)}^{(n_i-j_s+1[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\sum_{(n_{sa}=n_{ik}+j_{sa}[illegible]-\Bbbk)}^{([illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{[illegible]}-2\cdot j_{sa}-[illegible]-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{s}[illegible]2\cdot j_{sa}[illegible]\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}\geq1\land\boldsymbol{l_s}\leq D-[illegible]+1\land$

$1\leq j_s\leq j^{sa}-j_{sa}+[illegible]\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+[illegible]-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\land[illegible]+j_{sa}^{ik}-[illegible]_{sa}=\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\land$

$[illegible]+j_{sa}^{ik}-[illegible]<\boldsymbol{l_{ik}}\leq D[illegible]\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\land$

$(D\geq[illegible]<n\land[illegible]\geq0\land$

$j_{sa}\leq j_{sa}^{i}-[illegible]\land j_{sa}^{s}=j_{sa}-1\land$

$[illegible]\{j_{sa}^{s},\Bbbk[illegible]_{a},\cdots,j_{sa}^{i}\}\land$

$s\geq3\land\boldsymbol{s}=s+\Bbbk\land$

$\Bbbk_z\!:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{İso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} + \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} + \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}\text{[illegible]}+\Bbbk-j_s+1)}^{(n_i-j_s+1\text{[illegible]}}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}\text{[illegible]}-\Bbbk)}^{(\text{[illegible]}}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n\text{[illegible]}-2\cdot j_{sa}-\text{[illegible]}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{s}\text{[illegible]}\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\text{[illegible]}>1\wedge\boldsymbol{l_s}\leq D\text{[illegible]}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+\text{[illegible]}\wedge$

$j_s+j_{sa}-1\leq\text{[illegible]}\leq\boldsymbol{n}+\text{[illegible]}-s\wedge$

$\boldsymbol{l_{ik}}-\text{[illegible]}^{ik}+1=\boldsymbol{l_s}\wedge\text{[illegible]}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+\text{[illegible]}\boldsymbol{n})\vee$

$(D\text{[illegible]}<n\wedge\boldsymbol{l_s}\text{[illegible]}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq\text{[illegible]}-j_{sa}+1\wedge$

$\text{[illegible]}+j_{sa}\text{[illegible]}\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\imath}so} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+ [illegible]}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=[illegible]j_{sa}+1)}\ \sum_{j^{sa}=j_{sa}[illegible]}^{\boldsymbol{l_{ik}}+[illegible]-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{s}[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{([illegible]n_{ik}+j^{[illegible]}2\cdot j_{sa}^{[illegible]}[illegible]\cdot j_{sa}-j_s-s-2\cdot\mathbb{k})!}{([illegible]n_{ik}+j^{sa}+[illegible]j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n$ [illegible] $\wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{[illegible]} - j_{sa} + 1 \wedge$

[illegible] $+ j_{sa} -$ [illegible] $\leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_{s}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_{s})!\cdot(j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_{s} \leq j^{sa}-j_{sa}+1 \wedge$

$j_{s}+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_{s} \leq j^{sa}-j_{sa}+1 \wedge$

$j_{s}+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa}=j_{s}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{s},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_{z}:z=1) \Rightarrow$

$${}_{fz}S_{j_{s},j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_{s}=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_{sa}^{ik}=\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$$

$$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$$

$$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$$

$$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$$

$$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_s+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s \ldots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \ldots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \ldots s)!}{(D + j^{sa} - \boldsymbol{n} \ldots)! \cdot (\boldsymbol{n} + j_s \ldots - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(\ldots j^{sa} - j_{sa} + \ldots)} \sum_{\ldots^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\;)}$$

$$\frac{\left(2 \cdot n_{ik} + j^{s} \ldots 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(\ldots n_{ik} + \ldots^{a} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot \Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\cdot$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\!: z=1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\text{[illegible]}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-\Bbbk)}^{\text{[illegible]}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - \text{[illegible]} - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - \text{[illegible]} - 2 \cdot j_{sa} - \text{[illegible]} \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\text{[illegible]} + j_{sa} - \text{[illegible]} < \boldsymbol{l_{sa}} \leq D \text{[illegible]} \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + \text{[illegible]} - \boldsymbol{n} < \text{[illegible]} + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$\text{[illegible]} \leq j_s \leq \text{[illegible]} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$$

$$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$$

$$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$$

$$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z\colon z = 1) \Rightarrow$$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_s \text{[illegible]} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j\text{[illegible]}^{sa} - j_{sa} + \text{[illegible]})}^{\text{[illegible]}} \sum_{\text{[illegible]}^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\text{[illegible]} 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\;)}$$

$$\frac{\left(2 \cdot n_{ik} + j^{s\text{[illegible]}} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(\text{[illegible]} n_{ik} + \text{[illegible]}^{a} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{\imath}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -
$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\;\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk)!}{(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-\Bbbk\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_s\ldots\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}\ldots)}$$

$$\frac{(n_i-n_{sa}-1)\ldots}{(j^{sa}-2)!\cdot(n_i\ldots+1)!}\cdot$$

$$\frac{(\ldots-1)!}{(n\ldots+j^{sa}-\boldsymbol{n}\ldots1)!\cdot(\boldsymbol{n}-j^{s\ldots})\ldots}\cdot$$

$$\frac{\ldots)!}{\ldots-j^{sa})!\ldots-j_{sa})!}\cdot$$

$$\frac{(D+\ldots-\boldsymbol{l_{sa}}\ldots s)!}{(D\ldots j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\ldots(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i\ldots}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2\cdot\ldots+j^{sa}\ldots2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot\ldots+j^{sa}\ldots j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((\ldots \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j\ldots - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j$ [illegible] $= j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}$ [illegible] $, j_{sa}^{i}\}$ [illegible]

$s \ge 3 \wedge \boldsymbol{s} = s +$ [illegible] $\wedge$

$\mathbb{k}_z: z$ [illegible] $1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \Bigg(\sum_{k=1} \sum_{(j_s=1)}^{(\;\;)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa}-1)!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-1-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{()}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_i+j^{sa}-2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_i+j^{sa}-2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}=1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j^{ik}_{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\land$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j^{ik}_{sa}\big)\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}=1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \dots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + 1 \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_s \text{[illegible]} \boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k} \text{[illegible]}}$$

$$\frac{(n_i - n_{sa} - 1) \text{[illegible]}}{(j^{sa} - 2)! \cdot (n_i \text{[illegible]} - j \text{[illegible]} + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - 1)!}{(n \text{[illegible]} + j^{sa} - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j^{s \text{[illegible]}}} \cdot$$

$$\frac{\text{[illegible]})!}{\text{[illegible]} - j^{sa})! \text{[illegible]} - j_{sa})!} \cdot$$

$$\left.\frac{(D + \text{[illegible]} - \boldsymbol{l_{sa}} \text{[illegible]})!}{(D \text{[illegible]} j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}} \text{[illegible]} (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i \text{[illegible]}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot \text{[illegible]} + j^{sa} \text{[illegible]} 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \text{[illegible]} + j^{sa} \text{[illegible]} j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \text{[illegible]} \boldsymbol{n} \text{[illegible]} \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{s \text{[illegible]}} - j_{sa} + 1 \wedge$

$j_s \text{[illegible]} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j_s-\Bbbk+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{s} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(j_s + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} $$

$$ \frac{\left(2 \cdot n_{ik} - j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} - j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{\imath}so} = \sum_{k=1}\ \sum_{(j_s=1)}^{(\text{[illegible]})}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i \text{[illegible]} +1)}$$

$$\frac{(n_i \text{[illegible]})!}{(j^{sa}-2)!\cdot(n_i - n_{sa} \text{[illegible]} + 1)!} \cdot$$

$$\frac{(n_{\text{[illegible]}} - 1)!}{(n_{sa} + \text{[illegible]} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D \text{[illegible]} j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1}\ \sum_{(j_s=1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\ \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(\text{[illegible]} n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{\text{[illegible]}} j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\text{[illegible]} \geq \boldsymbol{n} \text{[illegible]} \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot
\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}
$$

$\left((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge\right.$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\,)}\sum_{j^{sa}=j_s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\,)}\sum_{n_{sa}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I \text{[illegible]} \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa} - \text{[illegible]} \wedge j_{sa}^{s} = \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, \text{[illegible]}\} \wedge$

$s \geq 3 \text{[illegible]} \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S^{\text{iso}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!}.$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}^{[illegible]}\sum_{(j_s=[illegible])}^{(\ )}\sum_{j^{sa}=j_{sa}}^{[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=n_i+j_s[illegible]-j^{sa}-j^{ik}_{sa}+1)}^{(\ )}\ \sum_{[illegible]=n_{ik}+j^{ik}_{sa}-j_{sa}-[illegible]}^{[illegible]}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-[illegible]-\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-[illegible]-2\cdot j_{sa}-[illegible]2\cdot\Bbbk-j^{ik}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{([illegible]+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq[illegible]1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-[illegible]$

$\boldsymbol{l_{ik}}-[illegible]+1=\boldsymbol{l_s}[illegible]+j^{ik}_{sa}-j_{sa}[illegible]$

$D[illegible]j_{sa}-\boldsymbol{n}<[illegible]\leq D+[illegible]+j_{sa}-\boldsymbol{n}-j^{ik}_{sa}\wedge$

$D+[illegible]-\boldsymbol{n}<\boldsymbol{l_{sa}}[illegible]D+\boldsymbol{l_s}+[illegible]-\boldsymbol{n}-1)\vee$

$[illegible]D\geq\boldsymbol{n}[illegible]\wedge\boldsymbol{l_s}=1\wedge[illegible]\leq D-\boldsymbol{n}+1\wedge$

$1\leq j[illegible]\leq j^{sa}[illegible]$

$j_s[illegible]j_{sa}[illegible]\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$[illegible]-j^{ik}_{sa}[illegible]>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j^{ik}_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} \sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{()} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, [illegible] j_{sa}, [illegible], j_{sa}^{i}\right\}$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$[illegible]\, S_{j_s, j^{sa}}^{\dot{I}SO} [illegible] \left(\sum_{[illegible]=1}^{[illegible]} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}^{i\mathfrak{s}}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+\text{[illegible]})}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{[illegible]=1}^{[illegible]}\ \sum_{(j_{[illegible]}=[illegible]+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-\boldsymbol{l_{ik}}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_i} \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{ik}-1 \land j_{sa}^{ik} = j^{sa}-1 \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \land \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \land$

$s \geq 1 \land \boldsymbol{s} = s+\Bbbk \land$

$\Bbbk_z: z=1)$

$$_{fz}S_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\ldots\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\ldots-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İso}} = \left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+\ldots)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\sum_{\mathbb{k}=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\ldots+1)}^{(\boldsymbol{n}-s+\ldots)}\ \sum_{j^{sa}=j_s+j_{sa}\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\ldots-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}\ldots}\ \sum_{j_{sa}^{ik}\ldots}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(\ldots n_{ik}+j\ldots 2\cdot j_{sa}\ldots n\ldots\cdot j_{sa}-j_s-s-2\cdot\mathbb{k})!}{(\ldots n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{z}S_{j_s, j^{sa}}^{\text{İ}so} = \left(\sum_{k=1}^{[illegible]} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{[illegible]} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{([illegible] - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \ldots)!}$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\ldots - j^{sa})!}$$

$$\frac{(\ldots 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\ldots \boldsymbol{l}_{\ldots} - j_{sa} + \ldots)!}{(\ldots + \boldsymbol{l_{sa}} - j^{s\ldots} \ldots \boldsymbol{l_s})! \cdot (\ldots - j_s \ldots j_{sa} + 1)!} \cdot$$

$$\left.\frac{(\ldots + j_{sa} - \ldots - s)!}{(D + j^{sa} - \boldsymbol{n} - \ldots)! \cdot (\boldsymbol{n} \ldots_{a} - j^{sa} - s)!}\right) -$$

$$\sum_{[illegible]} \sum_{(\ldots j_{sa}+1)}^{(\ldots} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \ge 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$f_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}$$

$$\frac{\left(2\cdot n_{ik}+j_{sa}^{s}-2\cdot j_{sa}^{ik}-n_{sa}+2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{I}\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}\text{[illegible]}}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - \text{[illegible]})!}{(j_s-2)! \cdot (n_i - n_{is} \text{[illegible]} j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{s\text{[illegible]}} - \Bbbk - \text{[illegible]})!}{(j^{sa}-j_s-1)! \cdot (n_{is} + \text{[illegible]} - n_{sa} - j^{\text{[illegible]}}\Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} \text{[illegible]})!}{(n_{sa} \text{[illegible]} - 1) \text{[illegible]} (\boldsymbol{n}-j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \text{[illegible]})!}{(\text{[illegible]} - j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D + j_{s\text{[illegible]}} - \boldsymbol{l_{sa}} - s)!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_{sa}})\text{[illegible]} (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\;)}
$$

$$
\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - j_s - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(j_s-1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}-2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} > n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - j_s - s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\mathbf{İS}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \; \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \land$

$(D \geq \boldsymbol{n} < n \land I=\Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{ik}=j_{sa}-\Bbbk \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \lor \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s}=s+\Bbbk \land$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\;\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\;\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible]}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=[illegible]+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+[illegible]}^{[illegible]1)}$$

$$\sum_{n_{i}[illegible]n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{[illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{[illegible]}2\cdot j_{sa}^{ik}-n_{sa}[illegible]2\cdot j_{sa}-[illegible]_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+[illegible]_{sa}^{ik}-n_{sa}-[illegible]-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] \leq n \wedge \boldsymbol{l_s} > D [illegible] \boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j[illegible] - j_{sa}+1$

$j_s + [illegible] - 1 \leq j[illegible] \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$[illegible] \geq \boldsymbol{n} [illegible] \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$ {}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j^s_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j^s_{sa}\right)!} \cdot $$

$$ \frac{1}{(\boldsymbol{n} + j^s_{sa} - j_s - s)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{s=1}\ \sum_{(j_{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_s}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\!:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z\!: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}+\Bbbk-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(n_{sa}+j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \le j_s \le j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \le j^{sa} \le \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \le j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \le j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \ge 1 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_s \text{[illegible]} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j\text{[illegible]}^{sa} - j_{sa} + \text{[illegible]})}^{\text{[illegible]})} \sum_{\text{[illegible]}^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\text{[illegible]} s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{s\text{[illegible]}} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(\text{[illegible]} \cdot n_{ik} + \text{[illegible]}^{a} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S_{j_s,j^{sa}}^{\text{İso}} = \sum_{k=\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{l_{ik}}+\boldsymbol{n}-\text{[illegible]}\,j_{sa}^{ik}+1)}^{\text{[illegible]}+\boldsymbol{n}-\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\text{[illegible]}+j_{sa}-s}$$

$$\sum_{\text{[illegible]}=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n\text{[illegible]}\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1\text{[illegible]}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{\text{[illegible]} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\text{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{\text{[illegible]}}{(\text{[illegible]}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l}_s-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l}_{sa}-j^{s\text{[illegible]}}\,\boldsymbol{l}_s)!\cdot(\text{[illegible]}-j_{sa}+1)!}\cdot$$

$$\frac{(\text{[illegible]}+j_{sa}\,\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}\,\text{[illegible]}\,\boldsymbol{l}_{sa})!\cdot(\text{[illegible]}\,j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\text{[illegible]}=1} \sum_{(\text{[illegible]}+\boldsymbol{n}-D-s+1)}^{\text{[illegible]}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}) \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\imath}so} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(j_s-1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D-\boldsymbol{n}\geq n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\mathrm{ISO}} \sum_{\text{[illegible]}}^{\text{[illegible]}+\boldsymbol{n}-D} \sum_{(j_s=\boldsymbol{l_s}+\text{[illegible]})}^{\text{[illegible]}} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\text{[illegible]}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\text{[illegible]}\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(\text{[illegible]} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum\sum_{(j_s=\boldsymbol{l_s}-D-j_{sa}+1)}^{(\ldots s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s = \boldsymbol{l}_{\boldsymbol{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s = \boldsymbol{l}_{\boldsymbol{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s > \boldsymbol{l}_{\boldsymbol{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s > \boldsymbol{l}_{\boldsymbol{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s = \boldsymbol{l}_{\boldsymbol{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_{\boldsymbol{s}} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s > \boldsymbol{l}_{\boldsymbol{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(D + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )} $$

$$ \frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot $$

$$ \frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - \text{[illegible]} j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \text{[illegible]} s)!} -$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(\text{[illegible]} \boldsymbol{l_i} + \boldsymbol{n} \text{[illegible]} 1)}^{(\boldsymbol{n} - s + \text{[illegible]})} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\text{[illegible]}}$$

$$\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}}^{\text{[illegible]}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

[illegible] $j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\ldots)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_s\ldots j_{sa}^{ik}+1}^{\ldots a}$$

$$\sum_{n_i=\ldots}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{(\ldots j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}\ldots a-\Bbbk}$$

$$\frac{(n_i\ldots)!}{(j_s-\ldots)!\cdot(n_i-n_{is}\ldots j_s+1)!}\cdot$$

$$\frac{(\ldots-n_{sa}-\ldots-1)!}{(\ldots-j_s-1)!\cdot(\ldots+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(\ldots^{a}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=[illegible]+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{[illegible]}[illegible]\Bbbk)}^{([illegible])}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-[illegible]-2\cdot j_{sa}-[illegible]-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}[illegible]j_{sa}-[illegible]\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{([illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-[illegible]+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+[illegible]\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+[illegible]-s\wedge$

$\boldsymbol{l_{ik}}-[illegible]^{ik}+1=\boldsymbol{l_s}\wedge[illegible]+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-[illegible]<\boldsymbol{l_{sa}}\leq D[illegible]\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq[illegible]<n\wedge[illegible]0\wedge$

$j_{sa}\leq j_{sa}^{i}-[illegible]\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$[illegible]\{j_{sa}^{s},[illegible]\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_s+1)!}{(j_{sa}+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{s}\right.$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$${}_{f}S_{i,j^{sa}}^{\text{İSO}} = \Bigg(\sum_{k=\text{[illegible]}} \sum_{(j_s=j^{sa}-j\text{[illegible]}1)}^{(\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\Bigg(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}\ \text{[illegible]}-s-\text{[illegible]}\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}\ \text{[illegible]}\cdot j_{sa}-2\cdot\text{[illegible]}\ j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\text{[illegible]}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\ \text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \text{[illegible]}\ \boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} - j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \text{[illegible]} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{ik} = \text{[illegible]} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{\text{[illegible]}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = \text{[illegible]} + \Bbbk \wedge$

$\text{[illegible]}) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}\ \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-[illegible])!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{([illegible])!}{([illegible]-j_s)!\cdot(j_s-[illegible]2)!}\cdot$$

$$\frac{([illegible]\boldsymbol{l}_{[illegible]}-j_{sa}+[illegible])!}{([illegible]+\boldsymbol{l_{sa}}-j^{s[illegible]}[illegible]\boldsymbol{l_s})![illegible]-j_s[illegible]j_{sa}+1)!}\cdot$$

$$\left.\frac{([illegible]+j_{sa}-[illegible]-s)!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}[illegible]_a-j^{sa}-s)!}\right)-$$

$$\sum_{[illegible]1} \sum_{(i[illegible]+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \land \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \land \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \land$

$(D \ge \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \le j_{sa}^{ik} - 1 \land j_{sa}^{i} = j_{sa} - 1 \land j_{sa}^{s} \le j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s = \boldsymbol{n} \land n = s + \mathbb{k} \land$

$\mathbb{k}_z : z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_{sa}^{s}-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+j_s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,\boldsymbol{l_{sa}}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\ldots-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} \ldots - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} \ldots 2 \cdot j_{sa} - 2 \ldots j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + \ldots - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} \ldots)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \ldots \boldsymbol{l_i})!}{(D + j^{sa} + \ldots - \boldsymbol{n} - \boldsymbol{l_i} - j_{\ldots})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1\big) \vee$

$\big(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$\big(D \geq \boldsymbol{n} <$ [illegible] $I = \mathbb{k} >$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1\big) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{([illegible]j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\text{[illegible]})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}$$

$$\frac{\text{[illegible]}}{(\text{[illegible]}-j_s)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l}_{\text{[illegible]}}-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{s\text{[illegible]}}\boldsymbol{l_s})!\cdot(\text{[illegible]}-j_s\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{a}-j^{sa}-s)!}\right)-$$

$$\sum_{\text{[illegible]}}\sum_{\text{[illegible]}j_{sa}+1)}^{(\text{[illegible]}}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$\big(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$\big(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1\big) \vee$

$\big(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} > j_s - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$\boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İ}so} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\text{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\text{[illegible]})!}{(\text{[illegible]}-j_s)!\cdot(j_s-\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l}\text{[illegible]}-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l_{sa}}-j^{s\text{[illegible]}}\text{[illegible]}\boldsymbol{l_s})!\cdot(\text{[illegible]}-j_s\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{a}-j^{sa}-s)!}\right)-$$

$$\sum_{\text{[illegible]}} \sum_{(\text{[illegible]}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$fz^{S}j_{sa}^{isO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_s} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+\text{[illegible]}-D-s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+\text{[illegible]}}^{\text{[illegible]}1)}$$

$$\sum_{n_{i}\text{[illegible]}n_{is}+j_{sa}^{s}-\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(2\cdot n_{ik}+j^{\text{[illegible]}}\text{[illegible]}2\cdot j_{sa}^{ik}-n_{sa}\text{[illegible]}2\cdot j_{sa}-\text{[illegible]}_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+\text{[illegible]}_{a}^{ik}-n_{sa}-\text{[illegible]}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq$ [illegible] $<n\wedge\boldsymbol{l_s}>1$ [illegible] $\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq$ [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] $-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$${}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}^{\text{İSO}}\ldots_{j^{sa}}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\mathbf{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\ldots}{(\mathbf{n}-j^{s}-\ldots-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-\ldots-\boldsymbol{l_i}-j_s\ldots)!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{s}-j_{sa}=\boldsymbol{l_{ik}} \wedge D+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\mathbf{n} \wedge$

$(D \geq \mathbf{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\text{[illegible]})!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}\text{[illegible]}s)!}-$$

$$\sum_{\text{[illegible]}1}\ \sum_{\text{[illegible]}}^{(\boldsymbol{l_{sa}}-\text{[illegible]}+1)}\ \sum_{\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ \ )}$$

$$\frac{\left(2\cdot\text{[illegible]}+j^{sa}+2\text{[illegible]}_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}\text{[illegible]}^{sa}+2\text{[illegible]}_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\text{[illegible]}\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$\text{[illegible]}j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \right\} \vee \boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\text{[illegible]})}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \text{[illegible]}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s)}^{(\text{[illegible]} j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + \text{[illegible]} - \mathbb{k}}
$$

$$
\frac{(n_i \text{[illegible]})!}{(j_s - \text{[illegible]}) \cdot (n_i - n_{is} \text{[illegible]} j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \text{[illegible]} n_{sa} - \text{[illegible]} 1)!}{(\text{[illegible]} - j_s - 1)! \cdot (\text{[illegible]} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(\text{[illegible]} j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}} - j_{sa} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$
\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]})!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},\text{[illegible]},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1)\Rightarrow$

$$ {}_{\mathbb{k}_z}S^{İ\text{[illegible]}}_{\text{[illegible]}j^{sa}}=\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{z}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = \boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} + \mathbb{k} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j^{sa}}^{\dot{I}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\text{[illegible]},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$$\text{[illegible]}S_{j_s\text{[illegible]}}^{\text{İSO}} = \sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{sa}} - \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + 1)!}{(j_s + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l}_{\boldsymbol{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l}_{\boldsymbol{s}})} \sum_{j^{sa}=\boldsymbol{l}_{\boldsymbol{s}}+j_s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_i+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{s}} - 2)!}{(\boldsymbol{l}_{\boldsymbol{s}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{\boldsymbol{sa}} - \boldsymbol{l}_{\boldsymbol{s}} - j_{sa} + 1)!}{(j_s + \boldsymbol{l}_{\boldsymbol{sa}} - j^{sa} - \boldsymbol{l}_{\boldsymbol{s}})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l}_{\boldsymbol{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l}_{\boldsymbol{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l}_{\boldsymbol{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l}_{\boldsymbol{s}}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]})!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$$fz_{j^{s}\text{[illegible]}}^{iSO}\text{[illegible]}\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_{s}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{s}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 1\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa}=\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik} + 1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{ik}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge S = s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S^{D}_{\boldsymbol{s},j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{\text{[illegible]}} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{s\text{[illegible]}}}$$

$$\frac{(n_i - n_{is} - \text{[illegible]}}{(j_s - 2)! \cdot (n_i \text{[illegible]} - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} \text{[illegible]} \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} {}_{sa} - j^{sa} - \mathbb{k} \text{[illegible]}} \cdot$$

$$\frac{(\text{[illegible]} - 1)!}{(n_{sa} + \text{[illegible]} - \boldsymbol{n} - 1)! \text{[illegible]} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \text{[illegible]} - j_{sa} + 1)!}{\text{[illegible]} + \boldsymbol{l_{sa}} \text{[illegible]} j^{sa} \text{[illegible]})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-\boldsymbol{l_s}-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-j_s-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\text{[illegible]}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_s \text{[illegible]} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j \text{[illegible]} {}^{sa} - j_{sa} + \text{[illegible]})}^{\text{[illegible]})} \sum_{\text{[illegible]}{}^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\text{[illegible]} 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \Bbbk)}^{(\quad)}$$

$$\frac{\left(2 \cdot n_{ik} + j^{s} \text{[illegible]} 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(\text{[illegible]} n_{ik} + \text{[illegible]}{}^{a} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}, \cdots, j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq$ [illegible] $< n \wedge I$ [illegible] $> 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

[illegible] $\{j_{sa}^{s}$, [illegible] $\mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} + \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} \text{[illegible]} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} \text{[illegible]}} \sum_{(n_{sa} = n_{ik} + \text{[illegible]} - \Bbbk)}^{(\text{[illegible]}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n \text{[illegible]} - 2 \cdot j_{sa} \text{[illegible]} - s - 2 \cdot \Bbbk\right)\text{[illegible]}}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n \text{[illegible]} 2 \cdot j_{sa} \text{[illegible]} \cdot \Bbbk - j_{sa}^{s}\right)!}$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n} + j_{sa}^{s} - j_s - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \text{[illegible]} \boldsymbol{l_i})!}{(D + j^{sa} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \text{[illegible]} + 1 \wedge$

$1 \leq \text{[illegible]} \leq j^{sa} - j_{sa} \text{[illegible]} \wedge$

$j_s \text{[illegible]} j_{sa} - 1 \leq \text{[illegible]} \leq \boldsymbol{n} + \text{[illegible]} - s \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]} j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} \text{[illegible]} = \boldsymbol{l_{ik}} \wedge$

$\text{[illegible]} + j_{sa}^{ik} \text{[illegible]} < \boldsymbol{l_{ik}} \leq D \text{[illegible]} \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \text{[illegible]} < n \wedge \text{[illegible]} 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \text{[illegible]} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\text{[illegible]}: \{j_{sa}^{s}, \text{[illegible]}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\mathrm{iso}}_{j_s,j^{sa}} = \left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-
$$

$$
\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{s}^{i}\right.$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j}^{\dot{\mathrm{I}}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa}-2)!\cdot(n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{\mathbb{k}=1}^{(\ )} \sum_{(j_s=1)} \sum_{j^{sa}=\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=\text{[illegible]}+j_{sa}-j^{sa}-\mathbb{k}+1)} \sum_{n_{sa}=n_{ik}\text{[illegible]}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \text{[illegible]} j_{sa} - j_s - s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - \text{[illegible]} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S^{\Bbbk sO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=1}^{(\,)} \sum_{(j_s=1)} \sum_{j^{sa}}$$

$$\sum_{=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=\dots)} \sum_{j_{sa}-j^{sa}\dots+1)} \sum_{n_{sa}=n_{ik}\dots+j_{sa}-\mathbb{k}}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \dots j_{sa} - j_s \dots s - 2 \cdot \mathbb{k}\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - \dots - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \ge \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \land$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \ge \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \le j^i_{sa} - 1 \land j^{ik}_{sa} = j_{sa} - 1 \land j^s_{sa} \le j^{ik}_{sa} - 1 \land$

$\boldsymbol{s}: \left\{j^s_{sa}, \cdots, \Bbbk, j_{sa}, \cdots, j^i_{sa}\right\} \lor \boldsymbol{s}: \left\{j^s_{sa}, \cdots, j^{ik}_{sa}, \Bbbk, j_{sa}, \cdots, j^i_{sa}\right\} \land$

$s \ge 4 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{DSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
$$

$$
\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-\Bbbk+1)} \sum_{n_{sa}=n_{ik}+j_{sa}-\Bbbk}$$

$$\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_{sa}^{s} - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa} - j_{sa}^{ik} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{s} = j_{s} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum \sum_{(j_s=1)} \sum_{j^{sa}=j_s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i-j^{sa}-j_{sa}^{ik}+1)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_s - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \mathbb{I} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot $$

$$ \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot $$

$$ \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}} $$

$$ \frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\mathbb{k}\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!} $$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} \geq 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j^{ik}_{sa} - \boldsymbol{n} \leq \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j^{i}_{sa} - 1 \land j^{ik}_{sa} = j_{sa} - 1 \land j^{s}_{sa} \leq j^{ik}_{sa} - 1 \land$

$\boldsymbol{s}\colon \left\{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \lor \boldsymbol{s}\colon \left\{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{(n_i-n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk)!}{(n_i-n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

[illegible] $+ j_{sa} -$ [illegible] $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\;\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
$$

$$
\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-2\cdot j_{sa}-j_s-s-2\cdot\Bbbk\right)!}{\left(2\cdot n_{ik}+j^{sa}+2\cdot j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-2\cdot j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(\boldsymbol{n}-j^{sa}-\Bbbk+1)}
$$

$$
\frac{(\boldsymbol{n} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (\boldsymbol{n} - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}
$$

$$
\frac{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - 2 \cdot j_{sa} - j_s - s - 2 \cdot \Bbbk\right)!}{\left(2 \cdot n_{ik} + j^{sa} + 2 \cdot j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - 2 \cdot j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=\text{[illegible]}} \sum_{(j_s=j\text{[illegible]}+1)}^{(\text{[illegible]})} \sum_{\text{[illegible]}\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\text{[illegible]}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s\text{[illegible]}1)}^{\text{[illegible]}-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{\boldsymbol{l_i}=\text{[illegible]}j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}\text{[illegible]}n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - s + 1}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\ldots)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} \Bigg(\sum_{\ldots=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} $$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$fz^{SO}_{j_s,j^{sa}} = \left(\sum_{k=1}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\text{[illegible]}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\text{[illegible]}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\text{[illegible]}} \sum_{j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-\text{[illegible]}\,j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\text{[illegible]}\,j_{sa}-s}$$

$$\sum_{\text{[illegible]}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-[illegible])}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n}-[illegible]-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-[illegible]-\boldsymbol{l_i}-j_s[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}\big)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İ}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}\ldots+\mathbb{k}-j_s+1)}^{(n_i-j_s+1\ldots}$$

$$\sum_{n_{ik}=n_{is}+j^s_{sa}-\ldots}\ \sum_{(n_{sa}=n_{ik}+j_{sa}\ldots-\mathbb{k})}^{(\ldots}$$

$$\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j\ldots-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-\ldots-j_{sa}-\ldots\cdot\mathbb{k}-j^s_{sa}\right)!}\cdot$$

$$\frac{\ldots}{(\boldsymbol{n}+j^s_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ldots\boldsymbol{l_i})!}{(D+j^{sa}+\ldots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}_{\ldots}>D-\boldsymbol{n}+1\wedge\ldots$

$2\leq j_s\leq j^{sa}-j_{sa}+\ldots\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j\ldots-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\ldots+j^{ik}_{sa}-j_{sa}>\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<\ldots\wedge\boldsymbol{l_s}>D-\ldots+1\wedge$

$2\leq\ldots j^{sa}-j_{sa}\ldots1\wedge$

$j_s+j_{sa}-\ldots j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\ldots-j^{ik}\ldots1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=n_{is}+j_s-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{s}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-[illegible]}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=[illegible]}^{n}\sum_{[illegible]=\boldsymbol{n}+[illegible]j_s+1)}^{([illegible]j_s+1)}$$

$$\sum_{n_{ik}[illegible]j^{ik}}\sum_{(n_{sa}=[illegible]+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}[illegible]j_{sa}^{ik}-n_{sa}[illegible]s-j_{sa}[illegible]\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{[illegible]}[illegible]n_{sa}-[illegible]j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D[illegible]\boldsymbol{n} < n [illegible] > D - [illegible] + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} [illegible] 1 \wedge$

$j_s + j_{sa} [illegible] 1 \leq j^{sa} \leq \boldsymbol{n} [illegible] j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] \boldsymbol{l_s} \wedge \boldsymbol{l}[illegible] j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D [illegible] \boldsymbol{n} [illegible] n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - [illegible] \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}[illegible] j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{\text{[illegible]}})!}$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}$$

$$\frac{(\text{[illegible]})!}{(\boldsymbol{l}_{\text{[illegible]}}-j_s)!\cdot(j_s-\text{[illegible]}2)!}\cdot$$

$$\frac{(D\text{[illegible]}-\boldsymbol{l_{sa}}-\text{[illegible]})!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\text{[illegible]}j_{sa}\text{[illegible]}^{sa}-s)!}-$$

$$\sum_{k=1}^{\text{[illegible]}}\ \sum_{(j_s=j\text{[illegible]}j_{sa}+1)}^{(\ )}\ \sum_{j\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(\text{[illegible]}_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{(\text{[illegible]}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_s} + \boldsymbol{n} + j_{sa} - D - 1}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]}}$$

$\wedge$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}}^{\text{[illegible]}}=\sum_{k=1}^{\text{[illegible]}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\text{[illegible]}s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-\text{[illegible]}-2\cdot\text{[illegible]}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\text{[illegible]}-j_{sa}-2\cdot\text{[illegible]}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\text{[illegible]}-s-j_s)!}\cdot$$

$$\frac{(\text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + \text{[illegible]} \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{\text{[illegible]}}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I - \Bbbk = 0 \wedge$

$j_{sa} \leq \text{[illegible]} - 1 \wedge j_{sa}^{s} \leq \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \text{[illegible]} j_{sa}^{i}\} \wedge$

$s \geq \text{[illegible]} = s) \Rightarrow$

$$_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \text{[illegible]} - s)!} -$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(\boldsymbol{l_i}+\boldsymbol{n}\text{[illegible]})}^{(\boldsymbol{n}-s+\text{[illegible]})} \sum_{\text{[illegible]}j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{\text{[illegible]}} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} \text{[illegible]} n_{ik} + \text{[illegible]} + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \text{[illegible]} \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$\text{[illegible]} j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=0}^{D-\boldsymbol{n}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+[illegible]-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-[illegible]\,2\cdot[illegible]\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-[illegible]-j_{sa}-2\cdot[illegible]\,j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+[illegible]-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\,[illegible])!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + [illegible] \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{s}[illegible] \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_s}[illegible] + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_i}[illegible] \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I[illegible]\Bbbk = 0 \wedge$

$j_{sa} \leq [illegible] - 1 \wedge j_{sa}^{s} \leq [illegible] - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, [illegible] j_{sa}^{i}\} \wedge$

$s \geq [illegible] = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\cdots a - s}$$

$$\sum_{n_i = \ldots}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\text{[illegible]})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-\text{[illegible]}\,\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\ \text{[illegible]}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}\ \text{[illegible]}\ j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{(D\ \text{[illegible]}\ j^{sa}+s-\text{[illegible]}-\boldsymbol{l_i}-j_s\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\ \text{[illegible]}\ {}^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_s$ [illegible] $s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_s$ [illegible] $- j_{sa} = \boldsymbol{l_{ik}} \wedge$ [illegible] $+ j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [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] $\wedge$

$s \geq$ [illegible] $\boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-\cdots}^{\boldsymbol{n}+j_{sa}-\cdots}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\cdots-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s\cdots j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk)!}{(n_{is}+n_{ik}+\cdots+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \cdots > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-\cdots}$$

$$\sum_{n_i=\boldsymbol{n}\cdots}^{n}\sum_{\cdots=\boldsymbol{n}+\cdots j_s+1)}^{(\cdots j_s+1)}$$

$$\sum_{n_{ik}\cdots j^{ik}_{sa}\cdots}\sum_{(n_{sa}=\cdots+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}\cdots j_{sa}^{ik}-n_{sa}\cdots s-j_{sa}\cdots)!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}\cdots n_{sa}-\cdots j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\cdots j^{sa}+\cdots-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\Big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )} $$

$$ \frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot $$

$$ \frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j^{sa}-1\wedge j_{sa}^{s}\leq j_s-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge s=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{[illegible]} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} - n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} - n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{j}S_{j_s, j^{sa}}^{İSO} = \sum_{k} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{\text{[illegible]}_{a}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j^{\text{[illegible]}}\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-2)!}{(\boldsymbol{l_s}-j_s\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-\text{[illegible]}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}-j^{sa}\text{[illegible]})!\cdot(j^{\text{[illegible]}}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}\text{[illegible]}\boldsymbol{l_{sa}}-s)!}{\text{[illegible]}+j^{sa}\text{[illegible]}\boldsymbol{n}-\boldsymbol{l}\text{[illegible]}\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{\mathrm{I}}so} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - \text{[illegible]}}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \text{[illegible]})}^{(n_i - j_s + 1)} \sum_{n_{sa} = \text{[illegible]} j^{sa} + 1}^{\text{[illegible]} + j_s - j^{sa}} $$

$$ \frac{(\text{[illegible]} - n_{is} - 1)!}{(j_s - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + \text{[illegible]})!} \cdot $$

$$ \frac{(n_{is} \text{[illegible]} - 1)!}{(j^{\text{[illegible]}} - j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} - j^{sa})!} \cdot $$

$$ \frac{(\text{[illegible]} - 1)!}{(n_{sa} \text{[illegible]} j^{sa} - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \text{[illegible]}\boldsymbol{_{a}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(\text{[illegible]} + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s} $$

$$ \sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} $$

$$ \sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\;)} $$

$$ \frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot $$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s = j_{sa} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(\boldsymbol{l_i}+\boldsymbol{n}\cdots 1)}^{(\boldsymbol{n}-s+\cdots)}\ \sum_{j^{\cdots}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\cdots}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{\cdots}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}-n_{ik}+\cdots+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>1\land\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n}\land$

$\cdots j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land$

$(D\geq\boldsymbol{n}<n\land I=\Bbbk=0\land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{j}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{n})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \land$

$(D \geq \boldsymbol{n} < n \land I=\Bbbk=0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{s} \leq j_{sa}-1 \land$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s}=s) \Rightarrow$

$$_{j}S_{j_s,j^{sa}}^{\text{iso}}=\left(\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{[illegible]=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}, j_{sa}^{s}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=3) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=\ldots)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=1} \sum_{(\boldsymbol{l_i}=\boldsymbol{l_i}+\boldsymbol{n}-D \ldots 1)}^{(\ldots - j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{\text{[illegible]}}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}\text{[illegible]}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)$

$$_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\text{[illegible]})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j\text{[illegible]}-s)!}\right)$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\boldsymbol{n}}\ \sum_{(n_{is}\text{[illegible]}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}\text{[illegible]}j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}\text{[illegible]}n_{ik}+\text{[illegible]}-s-j_{sa}-2\cdot\mathbb{k})!}{(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n$ [illegible] $\wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j$[illegible]$-j_{sa}+1 \wedge$

[illegible]$+j_{sa}$ [illegible] $\leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} -$ [illegible]

$\boldsymbol{s}\text{:} \{j_{sa}^{s}, , j_{sa}, \cdots, j^{i}_{s}$ [illegible] $\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} =$ [illegible] $) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} - \ldots \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge \boldsymbol{s}=s)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} \leq \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+1}^{n}\sum_{(n_{is}=\boldsymbol{n}+1-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\,)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$(D\geq\boldsymbol{n}<n_i\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\leq\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\vee$

$(D\geq\boldsymbol{n}<n_i\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1)\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j_{sa}}^{İS} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = [illegible] + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - [illegible]} \sum_{(n_{sa} = n_{ik} + j_{sa} [illegible] - \mathbb{k})}^{([illegible]}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - [illegible] - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}^{[illegible]} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{[illegible]\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}\ \ +\Bbbk-j_s+1)}^{(n_i-j_s+1}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-}\sum_{(n_{sa}=n_{ik}+j_{sa}\ \ -\Bbbk)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-\ \ -2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-\ \ -j_{sa}-\ \ \cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\ \ \boldsymbol{l_i})!}{(D+j^{sa}+\ \ -\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\geq 1\wedge\boldsymbol{l_s}\leq D-\ \ +1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+\ \ \wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+\ \ -s\wedge$

$\boldsymbol{l_{ik}}-\ \ +1=\boldsymbol{l_s}\wedge\ \ +j_{sa}^{ik}-\ \ =\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\leq D+\ \ -\boldsymbol{n}\wedge$

$(D\geq\ \ <n\wedge\ \ \ 0\wedge$

$j_{sa}\leq j_{sa}^{i}\ \ \wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\{j_{sa}^{s},\ldots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \text{[illegible]} - \boldsymbol{l_{sa}} - \text{[illegible]})!}{(D + j^{sa} - \boldsymbol{n} - \text{[illegible]})! \cdot (\text{[illegible]} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{\text{[illegible]}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(\text{[illegible]}_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk)!}{(\text{[illegible]} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s})!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{İso} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s+1}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} $$

$$ \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )} $$

$$ \frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot $$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$fz^{SO}_{j_s, j^{sa}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa} + 1}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-\text{[illegible]}-2\cdot\text{[illegible]}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\text{[illegible]}-j_{sa}-2\cdot\text{[illegible]}j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\text{[illegible]}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq\text{[illegible]}-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{s}\text{[illegible]}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s}\wedge\boldsymbol{l_s}\text{[illegible]}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{i}}\text{[illegible]}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\text{[illegible]}D+\boldsymbol{l_{sa}}\text{[illegible]}s-\boldsymbol{n}\text{[illegible]}j_{sa}\wedge$

$(D\geq\text{[illegible]}<n\wedge I=\Bbbk\text{[illegible]}0\wedge$

$j_{sa}\leq j_{sa}^{i}-\text{[illegible]}\wedge j_{sa}^{s}\leq j\text{[illegible]}-1\wedge$

$\boldsymbol{s}:\{\text{[illegible]},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=\text{[illegible]})\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{\mathbb{k}=1}^{(\ )} \sum_{(j_s=\cdots-j_{sa}+1)}^{(\ )} \sum_{\boldsymbol{l_i}=\cdots+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} \cdots n_{ik} + \cdots + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 < j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )} \frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!} \cdot \frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}^{o} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}\text{[illegible]})}^{(\ \ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-\text{[illegible]}\,\mathbb{k}-j_{sa}^{s}\right)\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\text{[illegible]}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}\text{[illegible]}j_s)!\cdot(j_s-2\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\text{[illegible]}-\boldsymbol{l_i}-j_s\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\text{[illegible]}^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_s$ [illegible] $s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}$ [illegible] $-j_{sa}>\boldsymbol{l_{ik}}\wedge$ [illegible] $+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l}$ [illegible] $\leq D+\boldsymbol{l_{ik}}+j_s$ [illegible] $-\boldsymbol{n}-j_{sa}^{ik}$ [illegible]

$(D\geq$ [illegible] $<n\wedge I=\mathbb{k}$ [illegible] $0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge$ [illegible] $\leq j_{sa}-$ [illegible] $\wedge$

$\boldsymbol{s}:\left\{j_{sa}\text{[illegible]}j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq3\wedge\boldsymbol{s}$ [illegible] $)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=\dots-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\dots}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(\dots-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=[illegible]-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_{s})!\cdot(j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_{s}\leq j^{sa}-j_{sa}+1\wedge$

$j_{s}+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_s}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq3\wedge\boldsymbol{s}=s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s)$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j^{sa}-1 \wedge j_{sa}^{i}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},,j_{sa},,j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge s=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{j_{sa}=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_i} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_i} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\;)}
$$

$$
\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j^{s}_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk=0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-\text{[illegible]}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s\text{[illegible]})}^{(n_i-j_s+1)} \sum_{\text{[illegible]}=\boldsymbol{n}\text{[illegible]}j^{sa}+1}^{\text{[illegible]}+j_s-j^{sa}}$$

$$\frac{(\text{[illegible]} - n_{is} - 1)!}{(j_s - 2)! \cdot (\text{[illegible]} n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \text{[illegible]} - 1)!}{(j^{s\text{[illegible]}} j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} - j^{sa})!} \cdot$$

$$\frac{(\text{[illegible]} - 1)!}{(n_{sa} + \text{[illegible]}^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ \ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]})!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$

$(D\geq\text{[illegible]}<n\wedge I\text{[illegible]}=0\wedge$

$j_{sa}\leq j_{sa}^{i}-\text{[illegible]}\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\text{[illegible]}\{j^{s}\text{[illegible]},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_s-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\Bbbk-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\!: \left\{ j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+j_{sa}-D}^{\boldsymbol{l_s}+j_{sa}-1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s\ldots)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s\ldots j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}\ldots)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}\ldots s)!}-$$

$$\sum_{k=1}^{\text{[illegible]}}\sum_{(j_s\ldots-j_{sa}\ldots)}^{(\,)}\sum_{\ldots j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\ldots}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\,)}$$

$$\frac{\left(n_{is}+n\ldots+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}\ldots n_{ik}+\ldots+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<\ldots\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\ldots j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S^{İS}_{j_s,j_{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{\text{[illegible]}}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]}}{(j_s-2)!\cdot(\text{[illegible]}n_{is}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-\text{[illegible]}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}\text{[illegible]}-n_{sa}-j^{\text{[illegible]}}}\cdot$$

$$\frac{\text{[illegible]}-1)}{(n_{sa}+\text{[illegible]}-\boldsymbol{n}-1)\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}\text{[illegible]}j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\text{[illegible]}-j_{sa}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}\text{[illegible]}j^{sa}-\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 1 \wedge$

$j_{sa} \leq j_s - 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$2 \ldots = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum \sum_{(j_s=\boldsymbol{l}\ldots-D-j_{sa}+1)}^{(\ldots\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}^{s}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_s}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa},j_{sa}^{s},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathrm{iso}}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_s \cdots D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i \cdots}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(\cdots 1)}$$

$$\frac{(n_i \cdots - \cdots)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} \cdots + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İ}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{[illegible] j_{sa}} \right.$$

$$\sum_{n_i [illegible]} \sum_{[illegible] j^{sa}+1)}^{(n_i - j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s} \right.$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{sa} = \boldsymbol{n} - j^{sa} + 1)}^{(n_i - j^{sa} + 1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

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$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\text{:} \left\{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) - $$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\,)} \sum_{j^{sa}=j_{sa}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) + $$

$$ \left(\sum_{k=1} \sum_{(j_s=1)}^{(\,)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right. $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) - $$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k})!}{(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - 1 > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, , j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\;)}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-1>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}-1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s},, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{\imath}so} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j^{sa}\right)!\cdot(j^{sa}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}-1\wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{sa}=n-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})! \cdot (j^{sa}-j_{sa})!} \cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})! \cdot (\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(D+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(D+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq \boldsymbol{n} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa} - 1 \wedge$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa}-2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk} $$

$$ \frac{\left(D + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2\cdot\Bbbk\right)!}{\left(D + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2\cdot\Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} = 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa} - 1 \land$

$\boldsymbol{s}{:}\{j_{sa}^{s}, , j_{sa}, , j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_s \ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=\ldots+j_{sa}^{ik}\ldots j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}\ldots 2\cdot\mathbb{k})!}{(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}\ldots j_{sa}-2\cdot\mathbb{k}\ldots j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\ldots)!}{(D\ldots s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{s}\ldots s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{s}\ldots-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I\ldots\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}-\ldots\wedge j_{sa}^{s}=\ldots-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,\ldots\}\wedge$

$s\geq\ldots\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İ}so}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-[illegible]+1)}^{(j^{sa}-j_{sa}[illegible])}\sum_{j^{sa}=\boldsymbol{l_{sa}}+[illegible]}^{\boldsymbol{n}+[illegible]-s}\right.$$

$$\sum_{[illegible]=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=[illegible]+\mathbb{k}-j_s+1)}^{([illegible]-j_s+1)}\sum_{n_{sa}=[illegible]-j^{sa}+1}^{[illegible]_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}[illegible])!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=j_s+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=n_i-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}so}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j^{ik}_{sa}}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j^{ik}_{sa}}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-\text{[illegible]}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{\text{[illegible]}=\boldsymbol{n}+\text{[illegible]}\,j_s+1)}^{(\text{[illegible]}\,j_s+1)}$$

$$\sum_{n_{ik}=\text{[illegible]}}\ \sum_{(n_{sa}=\text{[illegible]}\,j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}\,\text{[illegible]}\,{}^{ik}-n_{sa}\,\text{[illegible]}\,s-j_{sa}\,\text{[illegible]})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}\,\text{[illegible]}\,n_{sa}-\text{[illegible]}\,j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\,\text{[illegible]}\,j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n$ [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] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l}$ [illegible] $+ j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D$ [illegible] $\boldsymbol{n}$ [illegible] $n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} -$ [illegible] $\wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \Bigg(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)+
$$

$$
\Bigg(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{\left(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk\right)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}\big)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{[illegible]} = j_{sa}-1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{[illegible]}, \ldots, j_{sa}^{i}\} \land$

$s \geq 3 \land \boldsymbol{s} = s + [illegible] \land$

$\mathbb{k}_z\colon z [illegible] 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\quad)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq [illegible] \wedge$

$j_{sa} \leq [illegible]-1 \wedge j_{sa}^{[illegible]} [illegible] j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},\Bbbk,j_s,\ldots,j_{sa}^{i}\right\} \wedge$

$[illegible]\,2 [illegible] = s+\Bbbk \wedge$

$\Bbbk_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l}_s - 2)!}{(\boldsymbol{l}_s - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\text{[illegible]}\ \boldsymbol{l}_s - j_{sa} + \text{[illegible]})!}{(\text{[illegible]} + \boldsymbol{l}_{sa} - j^{s\text{[illegible]}}\ \boldsymbol{l}_s)! \cdot (\text{[illegible]} - j_s \text{[illegible]}\ j_{sa} + 1)!} \cdot$$

$$\left.\frac{(\text{[illegible]} + j_{sa} - \text{[illegible]} - s)!}{(D + j^{sa} - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n}\ \text{[illegible]}\ - j^{sa} - s)!}\right) -$$

$$\sum_{\text{[illegible]}} \sum_{(\text{[illegible]}+\boldsymbol{n}-D-s+1)}^{\text{[illegible]}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - 2)!}{(\boldsymbol{l}_s - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l}_i - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_s} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - \mathbb{k} \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z. z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+\text{[illegible]}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+\text{[illegible]}}^{\text{[illegible]}1)}$$

$$\sum_{n_{ik}\text{[illegible]}n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} > D \text{[illegible]} \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]}\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} \geq \boldsymbol{n} \text{[illegible]} \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İ}so}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)!\cdot(n_i - n_{is} - j_s + 1)!}\cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)!\cdot(n_{is} + j_s - n_{sa} - j^{sa})!}\cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)!\cdot(\boldsymbol{n} - j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)!\cdot(j_s - 2)!}\cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})!\cdot(\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is} + n_{ik} + j^{ik}_{sa} - n_{sa} - s - j_{sa} - 2\cdot\mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - j_{sa} - 2\cdot\mathbb{k} - j^{s}_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)!\cdot(j_s - 2)!}\cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})!\cdot(\boldsymbol{n} + j_{sa} - j^{sa} - s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\mathrm{lS}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}}=\sum_{k=1}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+\text{[illegible]}}^{\text{[illegible]}j_s\text{[illegible]}1)}$$

$$\sum_{n_{\text{[illegible]}}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}\,n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} > D\text{[illegible]}\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j\text{[illegible]} - j_{sa}+1$

$j_s+\text{[illegible]}-1 \leq j\text{[illegible]}\boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} \geq \boldsymbol{n}\text{[illegible]} \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=\text{[illegible]}+\boldsymbol{n}-D-j_s\text{[illegible]}1)}^{(j\text{[illegible]}j_{sa}\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\text{[illegible]}j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_i\text{[illegible]}\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+\text{[illegible]}} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\text{[illegible]})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-\text{[illegible]}\,\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n}\ \text{[illegible]}-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{(D\ \text{[illegible]}^{sa}+s-\text{[illegible]}-\boldsymbol{l_i}-j_s\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}\ \text{[illegible]}^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_s\ \text{[illegible]}\ s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}\ \text{[illegible]}-j_{sa} > \boldsymbol{l_{ik}} \wedge \text{[illegible]}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I\ \text{[illegible]}\ \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}\ \text{[illegible]} \wedge j_{sa}^{s}=\text{[illegible]}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, \text{[illegible]}\} \wedge$

$s \geq \text{[illegible]}\ \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-1)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_s}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{İso}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}\ [illegible])!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-[illegible]-s)!}$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}[illegible])}^{(\ )}\ \sum_{[illegible]j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-[illegible]}^{\boldsymbol{n}+j_{sa}[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}[illegible]-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j[illegible]j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}[illegible]n_{ik}+[illegible]^{ik}-n[illegible]-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+[illegible]+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge [illegible] \geq D [illegible]\boldsymbol{n} + 1 \wedge$

$2 [illegible] j_s \leq [illegible]^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=[illegible]-j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1[illegible])}^{[illegible]}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-[illegible]-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+[illegible]+j_{sa}^{ik}-n_{sa}[illegible]\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D-\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$([illegible]\geq\boldsymbol{n}[illegible]n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}\text{:}\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\text{:}\,z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{\mathrm{I}}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>D-\boldsymbol{n}+1\land$

$2\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s\leq\boldsymbol{l_{sa}})\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>D-\boldsymbol{n}+1\land$

$2\leq j_s\leq j^{sa}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\land$

$(D\geq\boldsymbol{n}<n\land I=\mathbb{k}\geq 0\land$

$j_{sa}\leq j^{sa}-1\land j_{sa}^{s}=j_{sa}-1\land$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_s\}\land$

$s\geq 2\land\boldsymbol{s}=s+\mathbb{k}\land$

$\mathbb{k}_z:z=1)\to$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_{s})!\cdot(j_{s}-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$$
{}_{fz}S^{\mathrm{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}
$$

$$
\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_s,\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+\mathbb{k}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İso}} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_s + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\;\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\;\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\;\sum_{(n_{sa}=n_{ik}+j_{sa}^{s}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}so} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ \ )} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}\right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+j_{sa}-j^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+\mathbb{k}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D > \boldsymbol{n} < n \wedge I > 1 \wedge \boldsymbol{l_s} \leq D+j_{sa}-\boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_i} \wedge \boldsymbol{l_{ik}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D+j^{sa}-\boldsymbol{l_{sa}}-1)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} [illegible] + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - [illegible]} \sum_{(n_{sa} = n_{ik} + j_{sa}^{[illegible]} [illegible] \mathbb{k})}^{([illegible]}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} [illegible] - s - [illegible] - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{i[illegible]} + j_s + j_{sa}^{ik} [illegible] \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{([illegible] \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} [illegible] 1 \wedge \boldsymbol{l_s} \leq D - [illegible] + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + [illegible] \wedge$

$j_s + j_{sa} - 1 \leq [illegible] \leq \boldsymbol{n} + [illegible] - s \wedge$

$\boldsymbol{l_{ik}} - [illegible]^{ik} + 1 = \boldsymbol{l_s} \wedge [illegible] + j_{sa}^{ik} - [illegible]_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - [illegible] \leq \boldsymbol{l_{sa}} \leq D [illegible] \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq [illegible] < n \wedge [illegible] \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - [illegible] \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$[illegible] \{j^{s} [illegible]_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-s)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$S_{i,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum \sum_{(\ldots a+\boldsymbol{n}-D-j_{sa}+1)}^{(\ldots-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \leq \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}-j_s^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z \ldots 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-\ldots)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ldots-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_i}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum \sum_{(\ldots j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j^{ik}_{sa} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} \ge 0 \wedge$

$j_{sa} \le j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \ge 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S^{İsa}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=\ldots} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-\ldots_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\ldots_{sa}-s}$$

$$\sum_{\ldots}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\ldots_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\mathbf{n}-j^{s}-1-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\mathbf{n} \wedge \boldsymbol{l_i} \leq D+s-\mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\mathbf{n} \wedge \boldsymbol{l_i} \leq D+s-\mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\mathbf{n} \wedge \boldsymbol{l_i} \leq D+s-\mathbf{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\!: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\!: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\mathbb{k}s} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{n}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{([illegible])!}{([illegible]-j_s)!\cdot(j_s-[illegible])!}\cdot$$

$$\frac{([illegible]\ \boldsymbol{l}_{[illegible]}-j_{sa}+[illegible])!}{([illegible]+\boldsymbol{l}_{sa}-j^{s[illegible]}\ \boldsymbol{l}_s)!\cdot([illegible]-j_s[illegible]j_{sa}+1)!}\cdot$$

$$\frac{([illegible]+j_{sa}[illegible]_{a}-s)!}{(D+j^{sa}-\boldsymbol{n}[illegible]_{sa})!\cdot([illegible]j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k[illegible]} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l}_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ \ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > 1 \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \le D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$(D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_s\right.$ [illegible] $\left., \cdots, j_{sa}^{i}\right\} \wedge$

[illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+\boldsymbol{l}_{sa}-j_s-\boldsymbol{l}_s-j_{sa}+1)!}{(D+\boldsymbol{l}_{sa}-j^{sa}-\boldsymbol{l}_s)!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l}_{sa}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l}_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l}_s)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > 1 \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq$ [illegible] $+ j_{sa} - \boldsymbol{n})\big)$ [illegible]

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \Bbbk \geq$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{s}$ [illegible] $\ldots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{\text{[illegible]}})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{\text{[illegible]}}{(\text{[illegible]}\boldsymbol{l}_s-j_s)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l}_s-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l}_{sa}-j^{s\text{[illegible]}}\boldsymbol{l}_s)!\cdot\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{a}-j^{sa}-s)!}\right)-$$

$$\sum_{\text{[illegible]}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l}_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} \geq$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_s, \dots, j_{sa}^{i}\right\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{iso}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)! \cdot [illegible]}\cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} [illegible] - j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D-j^{sa}+s-[illegible]-\boldsymbol{l_i}-j_s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İso} = \left(\sum_{k=[illegible]} \sum_{(j_s = j^{sa} - j_{sa} [illegible])}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{[illegible] - 1} \right.
$$

$$
\sum_{n_i = [illegible]}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{([illegible] - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_s-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_s-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\Bbbk-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}>1\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq \boldsymbol{n}+j_{sa}-s\wedge$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$$

$$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$$

$$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 1) \Rightarrow$$

$$j_z{}^{iSO}{}_{[illegible]sa} = \left(\sum_{k=[illegible]} \sum_{[illegible]\boldsymbol{n}-D-j_{sa}+1)}^{[illegible]s)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{\text{[illegible]}=1}\ \sum_{(j_s=\text{[illegible]}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-\text{[illegible]}\,2\cdot\text{[illegible]}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\text{[illegible]}-j_{sa}-2\cdot\text{[illegible]}\,j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\text{[illegible]}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D\text{[illegible]}\boldsymbol{l_i})!}{(D+j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j\text{[illegible]})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$ [illegible] $-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{s}$ [illegible] $\leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+$ [illegible] $=\boldsymbol{l_s} \wedge \boldsymbol{l_s}$ [illegible] $+j_{sa}^{ik}-j_{sa}=\boldsymbol{l}$ [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] $-1 \wedge$

$\boldsymbol{s}\colon\{$ [illegible] $j_{sa},\cdots,j_{sa}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} =$ [illegible] $+\Bbbk \wedge$

[illegible] $) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\ldots)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l_{sa}}-\ldots)!}{(\ldots+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\ldots-s)!}-$$

$$\sum\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{(\ldots_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk)!}{(\ldots+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\mathrm{I}}so} = \sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = j_{sa} + 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\;)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\;)}
$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\;)}\sum_{j^{sa}=j_{sa}+\text{[illegible]}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\sum_{\text{[illegible]}=\boldsymbol{n}+\text{[illegible]}j_s+1)}^{(\text{[illegible]}j_s+1)}$$

$$\sum_{n_{ik}\text{[illegible]}j_{sa}^{ik}}\sum_{(n_{sa}=\text{[illegible]}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{(n_{is}+n_{ik}\text{[illegible]}j_{sa}^{ik}-n_{sa}\text{[illegible]}s-j_{sa}\text{[illegible]})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{\text{[illegible]}}\text{[illegible]}n_{sa}-\text{[illegible]}j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge$ [illegible] $> 1 \wedge$ [illegible] $\leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa}$ [illegible] $1 \wedge$

$j_s + j_{sa}$ [illegible] $1 \leq j^{sa} \leq \boldsymbol{n}$ [illegible] $j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l}$[illegible] $j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

D [illegible] $< \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $I = \mathbb{k} \geq 0 \wedge$

j_{sa} [illegible] $j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_s}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_s})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{iso}_{j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{()} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{()}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s}+1, j_{sa}, \cdots, j_{sa}^{i}\right\}$

$s \geq 3 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]})!}-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+\text{[illegible]})}^{\text{[illegible]}j_s\text{[illegible]}1)}$$

$$\sum_{n_{i}\text{[illegible]}n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} > 1 \wedge \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]}\boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + j\text{[illegible]}\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-\boldsymbol{s}}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+\text{[illegible]}-D-s}^{\boldsymbol{l_{ik}}+\text{[illegible]}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\text{[illegible]})}$$

$$\sum_{n_{ik}\text{[illegible]}_{is}+j_{sa}^{s}-j\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-n\text{[illegible]}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} > 1 \wedge \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j\text{[illegible]} - j_{sa} + 1 \text{[illegible]}$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + j\text{[illegible]}\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j^{ik}_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j^{ik}_{sa}+1}^{\boldsymbol{n}+j_{sa}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} $$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]})!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\text{[illegible]}+\boldsymbol{n}-D}^{\boldsymbol{l}_{\text{[illegible]}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(\text{[illegible]})}$$

$$\sum_{n_{ik}=\text{[illegible]}_{is}+j_{sa}^{s}-\text{[illegible]}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \land \boldsymbol{l_s} > 1 \land \text{[illegible]} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j\text{[illegible]} - j_{sa} + 1$

$j_s + \text{[illegible]} - 1 \leq j\text{[illegible]} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\text{[illegible]} + j\text{[illegible]}\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+1}^{n}\sum_{(n_{is}=\mathbf{n}+1-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{()}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk)!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$D > \mathbf{n} < n \wedge I > 1 \wedge \mathbf{l_i} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 \leq \mathbf{l_s} \wedge \mathbf{l_s}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D+j_{sa}^{ik}-\mathbf{n} < \mathbf{l_{ik}} \leq D+\mathbf{l_s}+j_{sa}^{ik}-\mathbf{n}-1 \wedge$

$(D \geq \mathbf{n} < n) \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\mathbf{s}:\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \mathbf{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_{ik}} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \text{[illegible]} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - \text{[illegible]}} \sum_{(n_{sa} = n_{ik} + j_{sa} - \text{[illegible]} - \mathbb{k})}^{(\text{[illegible]}}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - \text{[illegible]} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - \text{[illegible]} - j_{sa} - \text{[illegible]} \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \text{[illegible]} < \boldsymbol{l_{ik}} \leq D \text{[illegible]} \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \text{[illegible]} < n \wedge \text{[illegible]} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\text{[illegible]} \left\{j_{sa}^{s}, \mathbb{k} \text{[illegible]}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} + \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} + \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = [illegible] + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - [illegible]} \sum_{(n_{sa} = n_{ik} + j_{sa} [illegible] - \mathbb{k})}^{([illegible]}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - [illegible] - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - [illegible] j_{sa} - [illegible] \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}^{\text{[illegible]}}\ \sum_{(j_s=\text{[illegible]}-j_{sa}+1)}^{\text{[illegible]}}\ \sum_{j^{sa}=j_{sa}\text{[illegible]}}^{\boldsymbol{l_{ik}}+\text{[illegible]}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\text{[illegible]}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}\text{[illegible]}j_{sa}^{ik}}^{\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{is}+n_{ik}+\text{[illegible]}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$\text{[illegible]}+j_{sa}-\text{[illegible]} \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk \geq 0 \wedge$

$j_{sa}=j_s-1 \wedge j_{sa}^{s}=j_{sa}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa}^{ik},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 1 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{iso}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k\ \text{[illegible]}}^{\text{[illegible]}}\ \sum_{(\boldsymbol{l_i}=\text{[illegible]}\,\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_i}\,\text{[illegible]}\,j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}^{s}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 \leq \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \cdots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \cdots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \cdots s)!}{(D + j^{sa} - \boldsymbol{n} \cdots)! \cdot (\boldsymbol{n} + j_s \cdots - j^{sa} - s)!}$$

$$\sum_{k=1}^{\cdots} \sum_{(j \cdots^{sa} - j_{sa} + \cdots}^{\cdots)} \sum_{\cdots^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\cdots 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{is} - n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{i\cdots} \cdots n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\text{[illegible]}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1\text{[illegible]})}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}\text{[illegible]}} \sum_{(n_{sa}=n_{ik}+\text{[illegible]}-\mathbb{k})}^{(\text{[illegible]}}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - \text{[illegible]} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} \text{[illegible]} - j_{sa} \text{[illegible]} \cdot \mathbb{k} - j_{sa}^{s}\right)!}$$

$$\frac{\text{[illegible]}}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D \text{[illegible]} \boldsymbol{l_i})!}{(D + j^{sa} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D \text{[illegible]} \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + \text{[illegible]} \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + \text{[illegible]} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\text{[illegible]} + j_{sa} - \text{[illegible]} < \boldsymbol{l_{sa}} \leq D \text{[illegible]} \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + \text{[illegible]} - \boldsymbol{n} < \text{[illegible]} + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$\text{[illegible]} \leq j_s \leq \text{[illegible]} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\text{İ}so} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \ldots + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \ldots + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \ldots s)!}{(D + j^{sa} - \boldsymbol{n} \ldots)! \cdot (\boldsymbol{n} + j_s \ldots - j^{sa} - s)!}$$

$$\sum_{k=1}^{\ldots} \sum_{(j \ldots^{sa} - j_{sa} + \ldots}^{\ldots)} \sum_{\ldots^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\ldots 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} - n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} - n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}-1\wedge$

$\boldsymbol{s}\text{:}\left\{j_{sa}^{s},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\text{:}\,z=1)\Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{\mathrm{I}}SO}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=j_{sa}}\right.
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=1)}^{(\;)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}
\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-
$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z . z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_s-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i-n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}-j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{sa}^{ik}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{sa}}\leq D+j_{sa}-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{s}^{[illegible]} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{[illegible]}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + [illegible] \wedge$

$\mathbb{k}_z: z [illegible] 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}so} = \Bigg(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_s=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_s-j^{sa}+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\left.\frac{(D+j^{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i-n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}-j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}=1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_{sa}^{s}-j_{sa}+1\land$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\land$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}=1\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_s = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \ldots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + 1 \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s,j^{sa}}^{iso} = \left(\sum_{k=1} \sum_{(j_s=1)}^{()} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_s\cdots\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}\cdots}$$

$$\frac{(n_i-n_{sa}-1)\cdots}{(j^{sa}-2)!\cdot(n_i\cdots-j\cdots+1)!}\cdot$$

$$\frac{(\cdots-1)!}{(n\cdots+j^{sa}-\boldsymbol{n}\cdots1)!\cdot(\boldsymbol{n}-j^{s\cdots})\cdots}\cdot$$

$$\frac{(\boldsymbol{l}\cdots)!}{(\cdots-j^{sa})!\cdot(\cdots-j_{sa})!}\cdot$$

$$\left.\frac{(D+\cdots-\boldsymbol{l_{sa}}\cdots)!}{(D\cdots j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}}\cdots(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i\cdots}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}$$

$$\frac{(n\cdots n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{(n_i+n_{ik}\cdots j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j^{s}_{sa})!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\cdots\boldsymbol{n}\cdots\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$1\le j_s\le j^{s\cdots}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\le D+s-\boldsymbol{n}\wedge$

$(D\ge\boldsymbol{n}<n\wedge I=\mathbb{k}\ge0\wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j_s-\mathbb{k}+1)} \frac{(n_i-n_{sa}-1)!}{(j^{s}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} \frac{(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k})!}{(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!\cdot(\boldsymbol{n}-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{s}_{sa} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \Bbbk, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1}\sum_{(j_s=1)}^{(\,)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}+1)}$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\,)}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\,)}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$s \geq 3 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{n_{sa}=(\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

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$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa} -$ [illegible] $\wedge j_{sa}^{s} =$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots,$ [illegible] $\} \wedge$

$s \geq$ [illegible] $\boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!}. $$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\mathbf{l_{sa}}-j_{sa})!}{(\mathbf{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_s-j^{sa}-j_{sa}^{ik}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-j^{sa}-j_{sa}-2\cdot\mathbb{k})!}{(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{ik})!\cdot(\mathbf{n}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+s-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-s)!}$$

$\big((D\geq\mathbf{n}<n\wedge\mathbf{l_s}=1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge$

$D+j_{sa}-\mathbf{n}<\mathbf{l_{ik}}\leq D+\mathbf{l_s}+j_{sa}-\mathbf{n}-j_{sa}^{ik}\wedge$

$D+j_{sa}-\mathbf{n}<\mathbf{l_{sa}}\leq D+\mathbf{l_s}+j_{sa}-\mathbf{n}-1)\vee$

$(D\geq\mathbf{n}<n\wedge\mathbf{l_s}=1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\mathbf{n}+j_{sa}-s\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\mathbf{n}<\mathbf{l_{ik}}\leq D+\mathbf{l_s}+j_{sa}^{ik}-\mathbf{n}-1\wedge$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa})\vee$

$(D\geq\mathbf{n}<n\wedge\mathbf{l_s}=1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İ}so} \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{\left(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1\right)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}^{D}S_{j_s,j^{sa}}^{İSO}=\left(\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}^{iD}=\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{[illegible]=1}^{[illegible]}\ \sum_{(j_s=[illegible]+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+s \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_s}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I-\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{ik}-1 \wedge j_{sa}^{ik} = j_{sa}^{s}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \to \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq \Bbbk \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z: z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s = \text{[illegible]} \boldsymbol{n} - D)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \text{[illegible]} \boldsymbol{n} + \text{[illegible]} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}\right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_s}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z.z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\left(\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\ge\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\le j_s\le j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\big)\vee$

$(D\ge\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\le j_s\le j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\le j^{sa}\le\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{\Bbbk z}S^{\text{İ}so}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = \boldsymbol{l_{sa}} + \boldsymbol{n} - D}^{\boldsymbol{n} + j_{sa} - s} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\text{[illegible]})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\text{[illegible]})!}{(\text{[illegible]}-j_s)!\cdot(j_s-\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l}\text{[illegible]}-j_{sa}+\text{[illegible]})!}{(\text{[illegible]}+\boldsymbol{l}_{sa}-j^{s\text{[illegible]}}\,\boldsymbol{l}_{s})!\cdot(\text{[illegible]}-j_s\text{[illegible]}j_{sa}+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}+j_{sa}-\text{[illegible]}-s)!}{(D+j^{sa}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}\text{[illegible]}_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{\text{[illegible]}} \sum_{(\text{[illegible]}j_{sa}+1)}^{(\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq \boldsymbol{n}<n\wedge \boldsymbol{l}_s>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $\boldsymbol{_{ik}}))\wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j^{s}$ [illegible] $< j_{sa}^{ik} - 1$ [illegible]

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee$ [illegible] $\{j_{sa}^{s}, \cdots, j_{sa}^{ik},$ [illegible] $\cdots,$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$[\text{illegible}]^{iso}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{n} - s + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+j_{sa}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\Bigg)-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=[illegible]-j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{[illegible])}$$

$$\frac{\left(n_{is}[illegible]n_{ik}+j_{sa}^{ik}-[illegible]-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+[illegible]+j_{sa}^{ik}-n_{sa}[illegible]\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > D [illegible]\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j[illegible]-j_{sa}+1$

$j_s + [illegible]-1 \leq j[illegible]\boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+[illegible]=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$[illegible]n \wedge I=\mathbb{k}>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}}\ \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_{s}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{s})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z.z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}-D-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]})!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+\text{[illegible]}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1\text{[illegible]})}^{\text{[illegible]}1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \land \boldsymbol{l_s} > D\text{[illegible]}\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j\text{[illegible]}-j_{sa}+1$

$j_s+\text{[illegible]}-1 \leq j\text{[illegible]}\boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \land$

$D \geq \boldsymbol{n}\text{[illegible]}n \land I = \mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{ik}=j_{sa}-1 \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s}=s+\mathbb{k} \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}
$$

$$
\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot
$$

$$
\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{ls}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}\cdots j_{sa}^{ik}+1)}^{(\cdots)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\!: z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-\text{[illegible]}}-$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=\text{[illegible]}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}\text{[illegible]}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\text{[illegible]})}^{\text{[illegible]}1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-\text{[illegible]}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{\text{[illegible]})}$$

$$\frac{\left(n_{is}\text{[illegible]}n_{ik}+j_{sa}^{ik}-\text{[illegible]}-s-\text{[illegible]}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+\text{[illegible]}+j_{sa}^{ik}-n_{sa}\text{[illegible]}\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \text{[illegible]} < n \land \boldsymbol{l_s} > D\text{[illegible]}\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j\text{[illegible]}-j_{sa}+1$

$j_s+\text{[illegible]}-1 \leq j\text{[illegible]}\boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \land$

$D \geq \boldsymbol{n}\text{[illegible]}l \land I=\Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{ik}=j_{sa}-1 \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\} \land$

$s \geq 4 \land \boldsymbol{s}=s+\Bbbk \land$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa}+1)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!}
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D - j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is} + n_{ik} + j^{ik}_{sa} - n_{sa} - s - j_{sa} - 2\cdot\mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j^{ik}_{sa} - n_{sa} - \boldsymbol{n} - j_{sa} - 2\cdot\mathbb{k} - j^{s}_{sa}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j^{s}_{sa} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}so}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\ldots\boldsymbol{n}-D-s)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s++1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{s=1}\ \sum_{(j_{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j^{sa} - j_{sa} + 1)} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - j_{sa}^{ik}}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{n} + j_{sa} - s}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_s}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z.z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-s_{ik}+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\;)}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{n})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}})\big)\wedge$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}-\Bbbk>0\wedge$

$j_{sa}\leq j_s-1\wedge j_{sa}^{ik}=j_s-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_s + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_s + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$$\sum_{k=1}^{(\;)} \sum_{(j^{sa}=j^{sa}-j_{sa}+1)}^{(\;)} \sum_{\boldsymbol{l_{sa}}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\;)}$$

$$\frac{\left(n_{is} - n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} - n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{l_{ik}}+\boldsymbol{n}-\text{[illegible]}_{sa}^{ik}+1)}^{\text{[illegible]}+\boldsymbol{n}-\text{[illegible]})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\text{[illegible]}+j_{sa}-s}$$

$$\sum_{\text{[illegible]}=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n\text{[illegible]}\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(\text{[illegible]} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{j_s=1}\sum_{(j_{sa}=j_s+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\mathbf{n}<n\wedge\boldsymbol{l_s}>D-\mathbf{n}+1\wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(j_s+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j^{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}$$

$$\sum_{n_i=\mathbf{n}+s}^{n}\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_s}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}-n_{ik}+j_{sa}^{ik}-j_s-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\mathbf{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j^{sa}+s-\mathbf{n}-\mathbf{l_i}-j_{sa})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!}$$

$\Big((D \geq \mathbf{n} < n \land \mathbf{l_s} > D-\mathbf{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \land$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 = \mathbf{l_s} \land \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \land \mathbf{l_i}+j_{sa}-s = \mathbf{l_{sa}}) \lor$

$(D \geq \mathbf{n} < n \land \mathbf{l_s} > D-\mathbf{n}+1 \land$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \land$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \land \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} = \mathbf{l_{ik}} \land \mathbf{l_i}+j_{sa}-s = \mathbf{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{ISO} \text{[illegible]} \sum_{\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}\text{[illegible]})}^{\text{[illegible]}+\boldsymbol{n}-D} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}\text{[illegible]}-s} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} + $$

$$ \sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s} $$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{\ldots}\ \sum_{(j_s=\boldsymbol{l_s}+\ldots-D-j_{sa}+1)}^{(\ldots s+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 4 \wedge \mathbf{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{iso}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot
$$

$$
\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\mathbf{l_{sa}}-\mathbf{l_s}-j_{sa}+1)!}{(D+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\mathbf{l_{sa}}-s)!}{(D+j_{sa}-\mathbf{n}-\mathbf{l_{sa}})!\cdot(\mathbf{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s}^{\mathbf{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j^{s}_{sa}-j^{ik}_{sa}} \sum_{(n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk)}^{(\ )}
$$

$$
\frac{\left(n_{is}+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!}\cdot
$$

$$
\frac{1}{(\mathbf{n}+j^{s}_{sa}-s-j_s)!}\cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}})\Big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{n}-s+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s [illegible])!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s [illegible] j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}} [illegible])!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa} [illegible] s)!}-$$

$$\sum_{k=1}^{[illegible]}\sum_{[illegible]\boldsymbol{l_i}+\boldsymbol{n}[illegible]}^{(\boldsymbol{n}-s+[illegible])}\sum_{[illegible]j_s+j_{sa}-1}^{[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i [illegible] j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}^{[illegible]}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n [illegible]+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is} [illegible] n_{ik}+ [illegible] +j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n [illegible] \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$[illegible] j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i} \right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{İSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=j_{sa}+2}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_s-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \land$

$(D \geq \boldsymbol{n} < n \land I=\mathbb{k} > 0 \land$

$j_{sa} \leq j_{sa}^{i}-1 \land j_{sa}^{ik}=j_{sa}-1 \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \lor \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s}=s+\mathbb{k} \land$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{fz}S_{j_s,j_{sa}}=\left(\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = [illegible] + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - [illegible]} \sum_{(n_{sa} = n_{ik} + j_{sa}^{[illegible]} [illegible] \mathbb{k})}^{([illegible]}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} [illegible] n_{sa} - s - j [illegible] - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{i [illegible]} + j_s + j_{sa}^{ik} - [illegible] j_{sa} - [illegible] \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D [illegible] \boldsymbol{l_i})!}{(D + j^{sa} + [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - [illegible] + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + [illegible] \wedge$

$j_s + j_{sa} - 1 \leq j^{[illegible]} \leq \boldsymbol{n} + j [illegible] - s \wedge$

$\boldsymbol{l_{ik}} - [illegible]^{ik} + 1 = \boldsymbol{l_s} \wedge [illegible] + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - [illegible] < \boldsymbol{l_{sa}} \leq D [illegible] \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq [illegible] < n \wedge I [illegible] 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - [illegible] \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$[illegible] \{j^{s} [illegible] \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+
$$

$$
\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot
$$

$$
\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+
$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$$_{f}S_{j_i,j^{sa}}^{\dot{I}SO} = \left(\sum_{k=1}^{\mathbb{k}} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}^{\mathbb{k}} \sum_{(j_s=2)}^{(j^{sa}-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}^{s}-2\cdot\mathbb{k})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s})!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\mathbb{k}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_i} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k} \geq 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=\ldots)}^{\ldots+\boldsymbol{n}-D-j_{sa}^{ik}} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\ldots)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\ldots-j^{sa})!}\cdot$$

$$\frac{(\ldots)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\ldots\boldsymbol{l}_s-j_{sa}+\ldots)!}{(\ldots+\boldsymbol{l}_{sa}-j^{s\ldots}\ldots\boldsymbol{l}_s)!\cdot(\ldots-j_s\ldots j_{sa}+1)!}\cdot$$

$$\left.\frac{(\ldots+j_{sa}-\ldots-s)!}{(D+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\boldsymbol{n}\ldots_{a}-j^{sa}-s)!}\right)-$$

$$\sum\ \sum_{\ldots+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l}_s)}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-2)!}{(\boldsymbol{l}_s-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l}_i-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}_s>1\wedge\boldsymbol{l}_s\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge$ [illegible] $\leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $\wedge I = \mathbb{k} >$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}$ [illegible] $j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots,\right.$ [illegible] $\left.{}_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j^{sa}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_s-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \land \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \land \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \land$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}^{s}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-j^{sa}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+1-\boldsymbol{n}-\boldsymbol{l_i}-j_s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j_{sa}} = \left(\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\quad)} \sum_{j^{sa} = j_{sa} + 1}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} \right) +
$$

$$
\left(\sum_{k=1} \sum_{(j_s = 2)}^{(j^{sa} - j_{sa})} \sum_{j^{sa} = j_{sa} + 2}^{\boldsymbol{l_s} + j_{sa} - 1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+[illegible]-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-[illegible]2\cdot[illegible]\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-[illegible]-j_{sa}-2\cdot[illegible]j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+[illegible]-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}[illegible])!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D[illegible]\boldsymbol{l_i})!}{(D+j^{sa}+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}-j[illegible])!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l}[illegible]D-\boldsymbol{n}+[illegible]$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j[illegible]\boldsymbol{n}+j_{sa}-s[illegible]$

$\boldsymbol{l}[illegible]-j_{sa}^{ik}+[illegible]\boldsymbol{l_s} \wedge \boldsymbol{l_s}[illegible]j_{sa}^{ik}-j_{sa} > \boldsymbol{l}[illegible]$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-[illegible]$

$(D \geq [illegible] n \wedge \boldsymbol{l_s} > 1[illegible] \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j[illegible]j_{sa}+1[illegible]$

$j_s+[illegible]1 \leq j^{sa}[illegible]\boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+[illegible] > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$[illegible]j_{sa}^{ik}-\boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$S_{j_s, j^{sa}}^{\text{İso}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk} \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$\big(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \lor$

$\big(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - 1\big) \lor$

$\big(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa} > j_s - 1 \land j_{sa}^{ik} = j_{sa} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \lor \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \land$

$\boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa})}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-[illegible])!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot([illegible]-j^{sa})!}\cdot$$

$$\frac{([illegible])!}{([illegible]-j_s)!\cdot(j_s-[illegible]2)!}\cdot$$

$$\frac{([illegible]\boldsymbol{l}_{[illegible]}-j_{sa}+[illegible])!}{([illegible]+\boldsymbol{l}_{sa}-j^{s[illegible]}\boldsymbol{l}_s)!\cdot([illegible]-j_s[illegible]j_{sa}+1)!}\cdot$$

$$\left.\frac{([illegible]+j_{sa}-[illegible]-s)!}{(D+j^{sa}-\boldsymbol{n}-[illegible])!\cdot(\boldsymbol{n}[illegible]_a-j^{sa}-s)!}\right)-$$

$$\sum_{[illegible]} \sum_{(i=[illegible]j_{sa}+1)}^{([illegible]} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l}$ [illegible] $j_{sa} - \boldsymbol{n}$ [illegible] $) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq$ [illegible] $- \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq$ [illegible] $+ j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 >$ [illegible] $\wedge$

$D + j$ [illegible] $- \boldsymbol{n} < \boldsymbol{l_{sa}} \leq$ [illegible] $+ \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)) \wedge$

$(D \geq \boldsymbol{n} <$ [illegible] $I = \Bbbk >$ [illegible] $\wedge$

j_{sa} [illegible] $- 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk$ [illegible] $_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

[illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$ {}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{(\boldsymbol{l_s})} \sum_{j^{sa} = j_s + j_{sa} - 1} \right. $$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\ldots)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\ldots-j^{sa})!}\cdot$$

$$\frac{(\ldots)!}{(\ldots-j_s)!\cdot(j_s-\ldots 2)!}\cdot$$

$$\frac{(\ldots\boldsymbol{l}\ldots-j_{sa}+\ldots)!}{(\ldots+\boldsymbol{l_{sa}}-j^{s\ldots}\ldots\boldsymbol{l_s})!\cdot(\ldots-j_s\ldots j_{sa}+1)!}\cdot$$

$$\left.\frac{(\ldots+j_{sa}-\ldots-s)!}{(D+j^{sa}-\boldsymbol{n}-\ldots)!\cdot(\boldsymbol{n}\ldots-j^{sa}-s)!}\right)-$$

$$\sum_{\ldots 1}\ \sum_{(j\ldots+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$fz^{ico}_{j_{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_s^{ik}=j_{sa}-1\wedge j_s\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_s^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-[illegible])!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+[illegible]-D-s}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}[illegible]}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+[illegible])}^{[illegible])}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-[illegible]}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{[illegible])}$$

$$\frac{\left(n_{is}[illegible]n_{ik}+j_{sa}^{ik}-[illegible]-s-[illegible]-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+[illegible]+j_{sa}^{ik}-n_{sa}[illegible]\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D[illegible]j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq [illegible] < n \wedge \boldsymbol{l_s} > 1 [illegible] \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j[illegible] - j_{sa} + 1$

$j_s + [illegible] - 1 \leq j [illegible] \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + [illegible] = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$[illegible] < D [illegible] - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$
\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\}$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z: z=1) \Rightarrow$

$${}_{fz}{}^{\dot{I}SO}_{j^{sa}}=\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}-j_{sa}^{s}-\ldots-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_s)!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{s}-j_{sa}=\boldsymbol{l_{ik}}\wedge D+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$(D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1)\Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - \ldots)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - \ldots - s)!} -$$

$$\sum_{\ldots = 1} \sum_{(j_s \ldots)}^{(\boldsymbol{l_{sa}} - \ldots + 1)} \sum_{j^{sa} = j_s + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \ldots}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} + n_{\ldots} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} \ldots n_{ik} + \ldots + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$\ldots j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{İSO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-j_{sa}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}
$$

$$
\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot
$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}\text{[illegible]}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\!:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\} \vee \boldsymbol{s}\!:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k}\text{[illegible]},\cdots,j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\!:z=1) \Rightarrow$

$${}_{fz}S^{\dot{I}\text{[illegible]}}_{j^{sa}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1) \Rightarrow$

$${}_{z}S_{j_s,j^{sa}}^{\text{İSO}}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}+1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}+\Bbbk-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$_{fz}S^{İ}_{j_{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$S_{j_s}^{\dot{I}so} = \sum_{k=1} \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{s}\text{[illegible]}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-\text{[illegible]}}^{(n_i-j_s+1)}\sum_{n_{sa}=\text{[illegible]}j^{sa}+1}^{n_i\text{[illegible]}j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_s-2)!\cdot(\text{[illegible]}-n_{is}-j_s+\text{[illegible]}}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_{sa}\text{[illegible]}\mathbb{k}-1)\text{[illegible]}}{(j^{sa}-\text{[illegible]}-1)!\cdot(\text{[illegible]}+j_s-n_{sa}\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(n_{sa}\text{[illegible]}j^{sa}-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\text{[illegible]}_{\boldsymbol{a}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(\text{[illegible]}+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j^{s}_{sa}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa})!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+j^{ik}_{sa}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\boldsymbol{n}-1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = 𝕜 > 0 \wedge$

$j_{sa} \leq j^{i}_{sa}-1 \wedge j^{ik}_{sa}=j_{sa}-1 \wedge j^{s}_{sa} \leq j^{ik}_{sa}-1 \wedge$

$\boldsymbol{s}\colon\left\{j^{s}_{sa},\cdots,𝕜,j_{sa},\cdots,j^{i}_{sa}\right\} \vee \boldsymbol{s}\colon\left\{j^{s}_{sa},\cdots,j^{ik}_{sa},𝕜,j_{sa},\cdots,j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s}=s+𝕜 \wedge$

$𝕜_z\colon z=1) \Rightarrow$

$${}_{fz}S^{j^{so}}_{j^{si}}=\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j^{ik}_{sa})}\ \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+𝕜}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+𝕜-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-𝕜}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-𝕜-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-𝕜)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İ}SO} = \sum_{k=1}^{(j^{sa} - j_{sa} + 1)} \sum_{(j_s = 2)}^{\boldsymbol{l_{ik}} + j_{sa} - j_{sa}^{ik}} \sum_{j^{sa} = j_{sa} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{sa} = \boldsymbol{n} - j^{sa} + 1}^{n_{is} + j_s - j^{sa} - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+\boldsymbol{l_{ik}}-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\boldsymbol{n}}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{l_i}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$\Lambda \wedge I = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$_{fz}S_{j_s, j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{l_{sa}}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_s}-j_{sa}+1)!}{(D+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{[illegible]}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{D}_{j_{sa},j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)}\ \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{\text{[illegible]}}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{s\text{[illegible]}}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]})!}{(j_s-2)!\cdot(n_i\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}\text{[illegible]}\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}_{sa}-j^{sa}-\mathbb{k}\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(n_{sa}+\text{[illegible]}-\boldsymbol{n}-1)!\text{[illegible]}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\text{[illegible]}-j_{sa}+1)!}{\text{[illegible]}+\boldsymbol{l_{sa}}\text{[illegible]}^{sa}\text{[illegible]})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ \ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_{ik}}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k})}^{(\ \ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \land$

$(D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 1 \land$

$j_{sa} \leq j_{sa}^{i} - 1 \land j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \lor \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \land$

$s \geq 4 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1}\ \sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s})}\ \sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\Bbbk-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\Bbbk)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}-$$

$$\sum_{k=1}\ \sum_{(j_s=j^{sa}-j_{sa}+1)}^{(\ )}\ \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{l_s}+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}}\ \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!}\cdot$$

$$\frac{1}{(\boldsymbol{n}+\Bbbk-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} < D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$$

$$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1)\big)\wedge$$

$$(D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$$

$$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$$

$$s\geq 4\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$$

$$\mathbb{k}_z:z=1)\Rightarrow$$

$${}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO}=\sum_{k=1}\sum_{(j_s=2)}^{(j^{sa}-j_{sa}+1)}\sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\text{[illegible]}1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-1)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-j_s-1)!\cdot(n_{is}+j_s-n_{sa}-j^{sa}-\mathbb{k})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l_s}-j_{sa}+1)!}{(j_s+\boldsymbol{l_{sa}}-j^{sa}-\boldsymbol{l_s})!\cdot(j^{sa}-j_s-j_{sa}+1)!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\boldsymbol{l_s})}\sum_{j^{sa}=\boldsymbol{l_s}+j_{sa}}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \mathbb{k})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} \text{[illegible]} s)!}{(D + j^{sa} - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} + j_s \text{[illegible]} - j^{sa} - s)!}$$

$$\sum_{k=1}^{\text{[illegible]}} \sum_{(j \text{[illegible]} {}^{sa} - j_{sa} + \text{[illegible]})}^{\text{[illegible]})} \sum_{\text{[illegible]}{}^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\text{[illegible]} 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} - j_{sa}^{ik}} \sum_{(n_{sa} = n_{ik} + j_{sa}^{ik} - j_{sa} - \mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is} \text{[illegible]} n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_{i \text{[illegible]}} n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j^{sa} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s,j^{sa}}^{\dot{I}SO} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}+j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^{s}-j_{sa}^{ik}} \sum_{(n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)!} \cdot$$

$$\frac{1}{(\boldsymbol{n}+j_{sa}^{s}-s-j_s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-2)!}{(\boldsymbol{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j^{sa}+s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1 \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{sa}}+s-\boldsymbol{n}-j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$D+j_{sa}-\boldsymbol{n} < \boldsymbol{l_{sa}} \leq D+\boldsymbol{l_s}+j_{sa}-\boldsymbol{n}-1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} =$ [illegible] $\wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} > 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \ge$ [illegible] $< n \wedge$ [illegible] $> 0 \wedge$

$j_{sa} \le j_{sa}^{i} -$ [illegible] $\wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

[illegible] $\{j_{sa}^{s},$ [illegible] $\mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} +
$$

$$
\sum_{k=1} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s})} \sum_{j^{sa}=j_s+j_{sa}-1}^{\boldsymbol{n}+j_{sa}-s}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{sa}=\boldsymbol{n}-j^{sa}+1}^{n_{is}+j_s-j^{sa}-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{sa} - \Bbbk - 1)!}{(j^{sa} - j_s - 1)! \cdot (n_{is} + j_s - n_{sa} - j^{sa} - \Bbbk)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{sa}} - j^{sa} - \boldsymbol{l_s})! \cdot (j^{sa} - j_s - j_{sa} + 1)!} \cdot
$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s = j^{sa} - j_{sa} + 1)}^{(\ )} \sum_{j^{sa} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa} - D - s}^{\boldsymbol{l_s} + j_{sa} - 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} [illegible] + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1) [illegible]}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^{s} [illegible]} \sum_{(n_{sa} = n_{ik} + [illegible] - \mathbb{k})}^{([illegible]}$$

$$\frac{\left(n_{is} + n_{ik} + j_{sa}^{ik} - n_{sa} - s - [illegible] - 2 \cdot \mathbb{k}\right)!}{\left(n_{is} + n_{ik} + j_s + j_{sa}^{ik} [illegible] - j_{sa} [illegible] \cdot \mathbb{k} - j_{sa}^{s}\right)!} \cdot$$

$$\frac{[illegible]}{(\boldsymbol{n} + j_{sa}^{s} - s - j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 2)!}{(\boldsymbol{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D [illegible] \boldsymbol{l_i})!}{(D + j^{sa} [illegible] - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - [illegible] + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} [illegible] \wedge$

$j_s [illegible] j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + [illegible] - s \wedge$

$\boldsymbol{l_{ik}} [illegible] j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge [illegible] + j_{sa}^{ik} [illegible] j_{sa} = \boldsymbol{l_{ik}} \wedge$

$[illegible] + j_{sa}^{ik} [illegible] < \boldsymbol{l_{ik}} \leq D [illegible] \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq [illegible] < n \wedge [illegible] 0 \wedge$

$j_{sa} \leq j_{sa}^{i} [illegible] \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$[illegible]: \{j_{sa}^{s}, \cdots [illegible], j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S^{\dot{I}so}_{j_s,j^{sa}}=\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+
$$

$$
\left(\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j^{ik}_{sa}}^{\boldsymbol{n}+j_{sa}-s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!}\cdot
$$

$$
\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot
$$

$$
\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot
$$

$$
\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)-
$$

$$
\sum_{k=1}\sum_{(j_s=1)}^{(\ )}\sum_{j^{sa}=j_{sa}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )}\sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\mathbb{k}}
$$

$$
\frac{\left(n_i+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_i+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j^{s}_{sa}\right)!\cdot(\boldsymbol{n}-s)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j$ [illegible]

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S^{\text{İso}\ldots}_{j_s, j\ldots}$$ [illegible] $$= \left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa}-2)!\cdot(n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\;)} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-[illegible])!}\cdot$$

$$\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{[illegible]}-s)!}\Bigg)$$

$$\sum_{k=1}\ \sum_{(j_s=1)}^{(\ )}\ \sum_{j^{sa}[illegible]}$$

$$\sum_{[illegible]=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=[illegible]\,j_{sa}-j^{sa}[illegible]+1)}\ \sum_{n_{sa}=n_{ik}[illegible]-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+[illegible]+j_{sa}^{ik}-n_{sa}[illegible]s-j_{sa}[illegible]2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{[illegible]}[illegible]n_{sa}-\boldsymbol{n}-j_{sa}[illegible]2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{([illegible]D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq [illegible] - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} [illegible] 1 \wedge$

$j_s + j_{sa} - 1 [illegible] j^{sa} \leq \boldsymbol{n} [illegible] j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} [illegible] j_{sa}^{ik} + 1 = \boldsymbol{l_s} [illegible] \boldsymbol{l_{sa}} + j_{sa} [illegible] > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D [illegible] j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n [illegible] \boldsymbol{l_s} = 1 [illegible] \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 [illegible] j_s [illegible] j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - [illegible] \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} [illegible] j_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D + j_{sa} - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{sO}_{j_s, j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!}\right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}+1}^{\boldsymbol{l_{sa}}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot$$

$$\frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!}\cdot$$

$$\left.\frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!}\right)$$

$$\sum_{\Bbbk=1}^{()}\sum_{(j_s=1)}^{()}\sum_{j^{sa}=[illegible]}$$

$$\sum_{s=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=[illegible]+j_{sa}-j^{sa}[illegible]+1)}\sum_{n_{sa}=n_{ik}[illegible]-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}-\boldsymbol{n}<\boldsymbol{l_{sa}}\leq D+\boldsymbol{l_{ik}}+j_{sa}-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s+j_{sa}-1\leq j^{sa}\leq\boldsymbol{n}+j_{sa}-s\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}=1\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j^{sa}-j_{sa}+1\wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$$_{fz}S^{DOSO}_{j_s,j^{sa}} = \left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\left. \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{\boldsymbol{n}+j_{sa}-s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot$$

$$\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot$$

$$\left.\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!}\right)$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}}$$

$$\sum_{=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}= \cdots j_{sa}-j^{sa} \cdots +1)} \sum_{n_{sa}=n_{ik} \cdots - j_{sa}-\Bbbk}$$

$$\frac{\left(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \Bbbk\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} = j_{sa}^{ik} + 1 = \boldsymbol{l_s} + \boldsymbol{l_{sa}} + j_{sa} - j_s = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \cdots j_{s} \cdots - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq \cdots \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j^{sa}}^{\text{İSO}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)}$$

$$\frac{(n_i - n_{sa} - \Bbbk - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \Bbbk + 1)!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{\text{[illegible]}})!}$$

$$\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - \text{[illegible]})!}{(D + j_{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\text{[illegible]} - s)!} \text{[illegible]}$$

$$\text{[illegible]} \sum_{\text{[illegible]}1} \sum_{(j_s=1)} \sum_{j^{sa}=j_{s\text{[illegible]}}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n\text{[illegible]}} \sum_{(n_{ik}=n_i\text{[illegible]}-j^{sa}-j_{sa}^{\text{[illegible]}})}^{(\text{[illegible]}} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i + n_{\text{[illegible]}} + j_{sa}^{ik} - n_{sa} - \text{[illegible]} - j_{sa} - \text{[illegible]}\Bbbk\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - \text{[illegible]} - \boldsymbol{n} - j_{sa}\text{[illegible]}2 \cdot \Bbbk - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \text{[illegible]} + 1 \wedge$

$1 \leq j_{\text{[illegible]}} \leq j^{sa} - j_{sa} + \text{[illegible]} \wedge$

$j_s + j_{sa} - 1 \leq j^{\text{[illegible]}a} \leq \boldsymbol{n} + \text{[illegible]} - s \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]}^{ik}_{\text{[illegible]}a} + 1 = \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - \text{[illegible]}_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\text{[illegible]} + s - \text{[illegible]} < \boldsymbol{l_i} \leq D + \text{[illegible]} + s - \boldsymbol{n} - j_{sa} \wedge$

$(D \geq \text{[illegible]} < n \wedge \text{[illegible]} 0 \wedge$

$j_{sa} \leq j_{sa}^{i} \text{[illegible]} \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\text{[illegible]}: \{j_{sa}^{s}, \text{[illegible]}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1) \Rightarrow$

$${}_{fz}S^{İSO}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_i-j^{sa}-\Bbbk+1)} \frac{(n_i-n_{sa}-\Bbbk-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\Bbbk+1)!}\cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\mathbf{n}-1)!\cdot(\mathbf{n}-j^{sa})!}\cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j_{sa}-\mathbf{n}-\boldsymbol{l_{sa}})!\cdot(\mathbf{n}-s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\mathbf{n}+\Bbbk} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j^{ik}_{sa}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j^{ik}_{sa}-j_{sa}-\Bbbk} \frac{\left(n_i+n_{ik}+j^{ik}_{sa}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j^{ik}_{sa}-n_{sa}-\mathbf{n}-j_{sa}-2\cdot\Bbbk-j^{s}_{sa}\right)!\cdot(\mathbf{n}-s)!}\cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\mathbf{n}-\boldsymbol{l_i})!\cdot(\mathbf{n}-s)!}$$

$D \geq \mathbf{n} < n \wedge \boldsymbol{l_s} \geq 1 \wedge \boldsymbol{l_s} \leq D-\mathbf{n}+2 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \mathbf{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j^{ik}_{sa}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j^{ik}_{sa}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+j^{ik}_{sa}-\mathbf{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j^{ik}_{sa}-\mathbf{n}-1 \wedge$

$D \geq \mathbf{n} > n \wedge I = \Bbbk > 0 \wedge$

$j_{sa} \leq j^{i}_{sa}-1 \wedge j^{ik}_{sa} = j_{sa}-1 \wedge j^{s}_{sa} \leq j^{ik}_{sa}-1 \wedge$

$\boldsymbol{s}\colon \left\{j^{s}_{sa},\cdots,\Bbbk,j_{sa},\cdots,j^{i}_{sa}\right\} \vee \boldsymbol{s}\colon \left\{j^{s}_{sa},\cdots,j^{ik}_{sa},\Bbbk,j_{sa},\cdots,j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\mathbb{k}_z : z = 1) \Rightarrow$

$$
{}_{fz}S^{\text{iso}}_{j_s,j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{ik}}+\boldsymbol{n}+j_{sa}-D-j_{sa}^{ik}}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i-n_{sa}-\mathbb{k}-1)!}{(j^{sa}-2)!\cdot(n_i-n_{sa}-j^{sa}-\mathbb{k}+1)!} \cdot \frac{(n_{sa}-1)!}{(n_{sa}+j^{sa}-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}}-j_{sa})!}{(\boldsymbol{l_{sa}}-j^{sa})!\cdot(j^{sa}-j_{sa})!} \cdot \frac{(D+j_{sa}-\boldsymbol{l_{sa}}-s)!}{(D+j^{sa}-\boldsymbol{n}-\boldsymbol{l_{sa}})!\cdot(\boldsymbol{n}+j_{sa}-j^{sa}-s)!} -
$$

$$
\sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} \frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\mathbb{k}\right)!}{\left(n_i+n_{ik}+j^{sa}+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\mathbb{k}-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}
$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$\boldsymbol{l_i} + j_{sa} - s \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} = 1 \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \land$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}_{sa} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \leq j^{ik}_{sa} - 1 \wedge$

$\boldsymbol{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \vee \boldsymbol{s}: \left\{j^{s}_{sa}, \cdots, j^{ik}_{sa}, \mathbb{k}, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$S^{\dot{I}SO}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ \ )} \sum_{j^{sa}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}-D-s}^{\boldsymbol{n}+j_{sa}-s} \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} \frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\ \ )} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D+j_{sa}^{ik}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa}-j_{sa}+1 \wedge$

$j_s+j_{sa}-1 \leq j^{sa} \leq \boldsymbol{n}+j_{sa}-s \wedge$

$\boldsymbol{l_{sa}}-j_{sa}+1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_{sa}} \leq D+j_{sa}-\boldsymbol{n} \wedge \boldsymbol{l_i} \leq D+s-\boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\right\}$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$
{}_{fz}S_{j_s, j^{sa}}^{\dot{\mathrm{I}}SO} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}}^{\boldsymbol{l_{sa}}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)}
$$

$$
\frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot
$$

$$
\frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot
$$

$$
\frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot
$$

$$
\frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} -
$$

$$\sum_{k=1} \sum_{(j_s=1)}^{(\,)} \sum_{j^{sa}=j_{sa}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\,)} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\Bbbk}$$

$$\frac{\left(n_i+n_{ik}+j_{sa}^{ik}-n_{sa}-s-j_{sa}-2\cdot\Bbbk\right)!}{\left(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_{sa}-\boldsymbol{n}-j_{sa}-2\cdot\Bbbk-j_{sa}^{s}\right)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \leq j^{sa} \leq \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{sa}} - j_{sa} + 1 > \boldsymbol{l_s} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1 \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \le D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} = 1 \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j^{sa} - j_{sa} + 1 \wedge$

$j_s + j_{sa} - 1 \le j^{sa} \le \boldsymbol{n} + j_{sa} - s \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + j_{sa} - \boldsymbol{n} < \boldsymbol{l_{sa}} \leq D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1)\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1) \Rightarrow$

$$ {}_{fz}S^{\text{İso}}_{j_s, j^{sa}} = \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=\boldsymbol{l_{sa}}+\boldsymbol{n}-D}^{j_s} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{sa}=\boldsymbol{n}-j^{sa}+1)}^{(n_i-j^{sa}-\mathbb{k}+1)} $$

$$ \frac{(n_i - n_{sa} - \mathbb{k} - 1)!}{(j^{sa} - 2)! \cdot (n_i - n_{sa} - j^{sa} - \mathbb{k} + 1)!} \cdot $$

$$ \frac{(n_{sa} - 1)!}{(n_{sa} + j^{sa} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j^{sa})!} \cdot $$

$$ \frac{(\boldsymbol{l_{sa}} - j_{sa})!}{(\boldsymbol{l_{sa}} - j^{sa})! \cdot (j^{sa} - j_{sa})!} \cdot $$

$$ \frac{(D + j_{sa} - \boldsymbol{l_{sa}} - s)!}{(D + j^{sa} - \boldsymbol{n} - \boldsymbol{l_{sa}})! \cdot (\boldsymbol{n} + j_{sa} - j^{sa} - s)!} - $$

$$ \sum_{k=1} \sum_{(j_s=1)}^{(\ )} \sum_{j^{sa}=j_{sa}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik}=n_i+j_{sa}-j^{sa}-j_{sa}^{ik}+1)}^{(\ )} \sum_{n_{sa}=n_{ik}+j_{sa}^{ik}-j_{sa}-\mathbb{k}} $$

$$ \frac{\left(n_i + n_{ik} + j_{sa}^{ik} - n_{sa} - s - j_{sa} - 2 \cdot \mathbb{k}\right)!}{\left(n_i + n_{ik} + j_s + j_{sa}^{ik} - n_{sa} - \boldsymbol{n} - j_{sa} - 2 \cdot \mathbb{k} - j_{sa}^{s}\right)! \cdot (\boldsymbol{n} - s)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} $$

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/[illegible]

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/[illegible]

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, 2.3.2.1.11.2.2.1/8-9

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.