VDOİHİ

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

Cilt 2.3.2.3.10.1.1.854

İsmail YILMAZ

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VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılık Cilt 2.3.2.3.10.1.1.854

İsmail YILMAZ

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KÜTÜPHANE BİLGİLERİ

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

Dili: Türkçe + Matematik Mantık

Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

M. Atatürk

d

Yazar Hakkında

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

VDOİHİ

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

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- ✓ Makinaların insan gibi düşünebilmesini, karar verebilmesini ve davranabilmesini sağlayacak gerçek yapay zekayla ilişkilendirilmiştir.
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- ✓ Teorik kabullerle genetikle ilişkilendirilmiştir.
- ✓ Bilgi merkezli değerlendirme yöntemidir.

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

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GÜLDÜNYA

Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

$\imath$: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

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

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

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

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

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

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

j: son olaydan/(alt olay) ilk olaya doğru aranılan olayın sırası

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

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

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

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

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

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

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

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

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

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

D: bağımlı durum sayısı

D_i: olayın durum sayısı

s: simetrinin bağımlı durum sayısı

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

m: olasılık

M: olasılık dağılım sayısı

U: uyum eşitliği

u: uyum derecesi

s_i: olasılık dağılımı

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

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

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

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

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$_{fz}S^{\dot{I}S}_{j^{sa}}$: 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

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

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

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

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

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

GÜLDÜNYA

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

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

Simetrinin durumlarının bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırasına göre verilen eşitliklerdeki toplam alma sınır değerleri, simetrinin küçükten-büyüğe sıralanan dağılımlarına göre verildiğinden bu dağılımlarda da aynı sıralama kullanılmaya devam edilecektir. Bağımlı olasılıklı farklı dizilimsiz dağılımlarda olduğu gibi bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda da aynı eşitliklerde simetrinin durum sayıları düzenlenerek büyükten küçüğe sıralanan dağılımlar için de simetrik olasılık eşitlikleri elde edilir.

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

GÜDÜNYA

SİMETRİDEN SEÇİLEN DÖRT DURUMDAN SON İKİ DURUMA BAĞLI İLK DÜZGÜN OLMAYAN SİMETRİK OLASILIK

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

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

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

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

$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

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

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i}^{\text{İSO}} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}
$$

$$
\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})}^{(\ )} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}
$$

$$
\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}
$$

$$
\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}
$$

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

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

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

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

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad)}$$

$$\sum_{j_{sa}+j_{sa}^{ik}-j_{\quad}}^{(\quad)}\sum_{(j^{sa}=j_i+\mathbf{l_i}-\mathbf{l_{sa}}\quad+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{(n_i-j_s+1)}$$

$$\sum_{n_i=\quad;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\quad-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(\quad\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

$\quad\; j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{} \sum^{(\ )}_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l}} \right.
$$

$$
\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \sum^{(\ )}_{(j^{sa} \quad s)} \sum_{j_i = \mathbf{n} - D}^{\mathbf{n}}
$$

$$
\sum_{n_i = Q10; + Q}^{n} \sum^{(n_i - j \quad)}_{\mathbb{k} - j_s + 1)} \sum_{\mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - \quad \mathbb{k}_1}
$$

$$
\sum^{j_{ik} + j_{ik} - \quad}_{} \sum_{}^{+ j^{sa} - j_i}
$$

$$
\sum^{(n_{sa} - \quad i^{sa} + 1)}_{} \sum_{n_s = \mathbf{n} - j_i + 1}^{}
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) +
$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}\ \mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i}^{n_s+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)!\cdot(\mathbf{n} - j_i)!}\cdot$$

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

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

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

$$\left.\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})!\cdot(\mathbf{n} - j_i)!}\right) -$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}^{(n_i-j_s+1)}$$

$$\left(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2\right) \sum_{n_s=n_{sa}+j^{sa}-j_i}^{(\ )}$$

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

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

$$\frac{(D}{(D+-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

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

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

$\mathbf{s}: \{i_s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_s \ldots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k}_1 + \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \left(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}}\right)$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_i}-\mathbf{l_{sa}})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\text{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.$$

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

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

$$\left. \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \right)$$

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(\mathbf{n}-\mathbf{l_i}-)!\cdot(\mathbf{n}-j_i)!}\Bigg)$$

$$\left(\sum_{=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

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

$$\sum_{Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_{i}-n_{is}-1)!}{(j_{s}-2)!\cdot(n_{i}-n_{is}-j_{s}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_{s}-1)!\cdot(n_{is}+j_{s}-n_{ik}-j_{ik})!}\cdot$$

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-j_{i})!}\cdot$$

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

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

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\quad-j_i)!}\Bigg)$$

$$\sum_{k=1}^{(\quad)}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad)}$$

$$\sum_{j_{sa}+j_{sa}^{ik}-j_s}\ \sum_{(j^{sa}=j_i+j_{sa}-s)}\ \sum_{i+\mathbf{n}-D}^{\mathbf{n}}$$

$$(n_i-j_s+1)$$

$$\sum_{n_i=\quad;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\quad-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\quad_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\quad-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D\geq\mathbf{n}<n\wedge I=Q5;\geq 0\wedge$

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

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-}
$$

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

$$
\sum^{n} \sum \sum
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{n}} \sum_{j_i=\mathbf{l_i}+\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{\mathbb{k}_2)\ n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad j^{sa} - s \quad - j_{sa}^s)!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + \quad j^{sa} - s - j_{sa}^s)!} \cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

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

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

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

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

$D \geq \quad < n \wedge I = Q \quad \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s} \quad \mathbb{k}_1, j_{sa}^{ik}, \quad \quad j_{sa}^{n}\} \wedge$

$s \geq 4 \wedge s \quad s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

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

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\quad+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s}-\quad)!\cdot(j_{ik}-j_s-\quad+1)!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

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

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{n}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\quad)}\sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{j}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$fz^{(\quad)}_{n,\ldots,i} = \sum^{(\quad)} \sum_{1\ (j_{\ldots}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{\ldots}^{n_{\ldots}} \sum_{(n_{\ldots s}+1)}^{(n_{\ldots s}+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{\ldots+Q10;+Q5;\ (n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{\ldots+Q10;+Q5;\ (n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa}} \sum_{= j^{sa}} \sum_{- \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{+1)} \sum_{+ j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} + j_{ik} - j} \sum_{= n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} \quad j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \quad I)! \cdot (\mathbf{n} + \quad + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

$j^{sa} = j_i + \quad - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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

$D \geq \mathbf{n} < \quad = Q5; \geq 0 \wedge$

$< j^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.
$$

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

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s} \sum^{j^{sa}-j_i}
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.
$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

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

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

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

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

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

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

$$\sum_{n_i = Q10; +Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

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

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

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

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

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{=j^{sa}+j_{sa}}\ \sum_{(j^{sa}\quad+\mathbf{n}+j_{sa}-D-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=\quad0;+Q5;}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

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

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$\left(\sum_{k=1}^{} (j_s = j_{ik} \quad \mathbf{l_{ik}}\right)$$

$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \quad \sum^{(\mathbf{n}+j_{sa}-s)} \quad \sum^{} \quad -D-1 \; (j^{} \quad +\mathbf{n}+j_{sa}- \quad +s-j_{sa}$$

$$\sum_{=Q10;+Q5;}^{n} \quad \sum^{(n_i-j_s)} \quad \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \quad (n_{is}- \quad +\mathbb{k}-j_s+1)$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{} \quad \sum_{n_s=\mathbf{n}-j_i+1}^{} \quad {}_{k}+j_{ik}-j^{sa}-\mathbb{k}_2) \; n_{sa}+j^{sa}-j_i$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)+$$

$$\Bigg(\sum_{k=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

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

$$\sum_{n_i=Q10;+Q5;\ (n_{is}=\mathbf{n}+}^{n}\ \sum_{+1)}^{(n_i-j_s+1)}\ \sum_{+1\ n_{ik}=\mathbf{n}+\mathbb{k}_2}^{n_{is}+j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-}^{(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}\ \sum_{\mathbf{n}-j_i+1}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

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

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s^{j^{sa}-j_i}}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}^{(n_i-j_s+1)}$$

$$\left(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2\right) \sum_{n_s=n_{sa}+j^{sa}-j_i}^{(\ \ )}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} \quad - I - j_s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j \quad + j_{sa} - j^{sa} \quad - j_{sa}^{s})!} \cdot$$

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

$$\frac{(D}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \quad j_{sa} \leq j_i \leq \mathbf{n}$

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

$D \geq \mathbf{n} < n \wedge I = \quad \geq 0 \wedge$

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

$\mathbf{s}$: $\{i_s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_s \ldots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} \quad \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \left(j_s=\mathbf{l_s}+\mathbf{n}-D\right)$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$ {}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(j_{ik} - j^{ik}_{sa} + 1)} \sum_{(j_s = \mathbf{l_s} + \mathbf{n} - D)} \right.$$

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

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

$$\left. \frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \right)$$

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-$$

$$\frac{(\mathbf{l}_{s}-2)!}{(\mathbf{l}_{s}-j_{s})!\cdot(j_{s}-2)!}$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{s}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l}_{s}+1)!\cdot(j_{ik}-j_{s}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{\mathbf{n}-\mathbf{l_i}-(\mathbf{n}-j_i)!}\Bigg)$$

$$\sum_{k=1}^{(j_{ik}-j_{sa}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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

$$\sum_{=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_{s}-1)!}{(n_{s}+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)}\sum_{(\mathrm{j_s}=\mathbf{l_s}+\mathbf{n}-\mathbf{l_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+\mathrm{k})}^{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}-\mathrm{s})}\sum_{(\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_{ik}}-\mathbf{l_i}-\mathbf{l_{sa}}+\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}^{(\mathrm{j}^{\mathrm{sa}}=\mathbf{l_i}+\mathbf{l_{sa}}-\mathrm{j_i}-\mathrm{j_{sa}}+\mathrm{D}+\mathrm{s})}\sum_{\mathrm{j_i}=\mathrm{j_{sa}}+1}^{\mathbf{n}}$$

$$\sum_{\mathrm{n}_{\mathrm{is}}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_1-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+\mathbf{n}+\mathbb{k}_1)}\sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

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

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

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

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(\ +1)\ n_{ik}}^{(n_i-j_s+1} \sum_{+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}\ +j_{ik}-j\ -\mathbb{k}_2)\ n_s=n_{sa}+j^{sa}-j_i}^{(\ )}$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < \ \ I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

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

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_3)\ n_s^{j^{sa}-j_i}}
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}^{(n_i-j_s+1)}$$

$$\sum_{\left(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2\right)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D}{(D+ - \mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

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

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

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

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

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

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

$\mathbf{s}$: $\{i_s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_s \ldots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \quad \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \left(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}}\right)$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - 1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

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

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

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )}$$

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

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

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

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

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

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{j}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S^{\mathrm{ISO}}_{\Rightarrow \mathrm{j_s}\ ,\mathrm{j_{ik}},\ldots} = \left(\sum_{k=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}^{}\right.$$

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

$$\sum_{\mathrm{n_i}=10;+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

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

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

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

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j^{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j^{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}+$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=\quad-\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-\quad}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-\quad)}^{(\quad j_{sa}-s)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+\quad}^{n\quad}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}_1\quad+1)}^{n_i-j_s\quad}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}\quad-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-\quad-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}\ \mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i}^{n_{sa}-j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \quad - \mathbf{l_i})! \cdot (\mathbf{n} - \quad)!}$$

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

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

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot \frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot \frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_s}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

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

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

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l}\cdots+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-\cdots}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

$$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \le j_i \le \mathbf{n} \wedge$$

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

$$D \ge \mathbf{n} < n \wedge I = Q5; \ge 0 \wedge$$

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

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{j}\right\} \wedge$$

$$s \ge 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow} = \left(\sum_{1}^{(} \sum_{(j_s + \mathbf{l_s} - \mathbf{l_{ik}})}^{)} \right.$$

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

$$\sum_{Q10;+Q5;}^{} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}}}$$

$$\sum_{\mathrm{j_{ik}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{D}-\mathrm{s}}^{\mathbf{n}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{s}} \quad \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_s}}^{(\mathbf{n}+\mathrm{j_{sa}}-\mathrm{s})} \quad \sum_{\qquad -\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5}}^{\mathrm{n}} \quad \sum_{(\mathrm{n_i}-\mathrm{j_s}}^{\qquad +1)} \quad \sum_{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}}^{\qquad +\mathbb{k}_2-\mathrm{j_{ik}}+1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}}^{\qquad +1)} \quad \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\qquad -\mathrm{j_i}}$$

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

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

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

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

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

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) +$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}}\ \sum_{n_s=\mathbf{n}-j_i}^{n_{sa}+j_{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

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

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

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \cdots, j^i_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I=Q5;\geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s}=s+Q5;\wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$C_{j^{sa},j_i}^{İSO} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)} \right.$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(-)!}\Big)+$$

$$\Big(\sum_{+\mathbf{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1}$$

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

$$\sum_{n_{}10;+Q5;}^{(}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(}{}_{s}+1)\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \quad +}$$

$$\sum_{k=1}^{(\quad k - j_{sa}^{ik} + 1)} \sum_{(j_s = \quad + \mathbf{n} - D)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{j_{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_i}-\quad}^{\quad} \sum_{=j^{sa}+s-j_{sa}+1}^{\quad}$$

$$\sum_{\quad - j_s + 1}^{\quad} \quad j_{ik} - \mathbb{k}_1$$

$$\sum_{n_i=Q10;+Q} \sum_{n_{is}=\mathbf{n}+\mathbb{k}\quad+1)}^{\quad} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{\quad}$$

$$\quad n_{ik} + j_{ik} - j \quad - \mathbb{k}_2) \quad n_{sa} + j^{sa} - j_i$$

$$\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)} \quad \sum_{n_s=\mathbf{n}-j_i+1}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg) -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-1)}^{(n_i-j_s+1)} n_{ik}=n_{is}+j_s- \mathbb{k}_1$$

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

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

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

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

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

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

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

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

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge = Q5; \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 1 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - n_s - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \ + \mathbb{k}_2 \Rightarrow$

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

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

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

$$\frac{(D-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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

$$\sum_{=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{1}^{(\mathbf{n}-\ldots)} \sum \sum_{1\,(j_s=\mathbf{l_i}+\mathbf{n}-D-\ldots)}$$

$$\sum_{j_{ik}} \sum_{(\ldots)} \sum_{\mathbf{l_{ik}}-\mathbf{l_s}\,(j\ldots_k+j_{sa}-j_{sa}^{ik})\ldots\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=\ldots0;+Q5;\,(n_{is}=\mathbf{n}+\ldots-j_s+1)}^{n} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

$$
\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \left(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{} \right)^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}-s-j_{sa}}^{}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{+\mathbb{k}-j_s+1)}^{(n_i-j_{}} \sum_{=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-} {}^{\mathbb{k}_1}
$$

$$
{}^{(n_{ik}+j_{ik}-} \sum_{(n_{sa}-j_{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{+j^{sa}-j_i}
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

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

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

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

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

$$\sum_{j_{ik} = j_s + \mathbf{l_{ik}} - \mathbf{l_s}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\quad)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

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

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

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

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

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

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

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

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

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

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}^{\mathrm{S}}{}_{\Rightarrow \mathrm{j}_{\mathrm{ik}}, \mathrm{j}^{\mathrm{sa}}, \mathrm{j_i}} \sum_{\mathrm{k}=1}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})} \sum_{(\mathrm{j_s}=\mathbf{l_s}+\mathbf{n}-\mathrm{D})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathrm{j_{ik}}-\mathrm{j_{sa}}-\mathrm{s})} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

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

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

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

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{j_s=\mathbf{l_i}+\mathbf{n}-D}^{(\mathbf{n}-1)}\sum_{j_{sa}=\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-S)}\sum_{j_{ik}=\mathbf{l_{sa}}-\mathbf{l_i}}^{n}\sum_{n_{is}=n_i-j_s+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2}\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{n_{sa}+j^{sa}-j_i}\sum_{n_s=\mathbf{n}-j_i+1}^{Q10;+Q5;\,(n_{is}=\mathbb{k}-j_s+1)}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

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

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\ )}\sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}\sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_1+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{j_{ik}}+\mathrm{j_{ik}}-\mathrm{j_i})}^{(\ )}\sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j_{sa}}+\mathrm{j_{sa}}-\mathbf{l_i}-\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^{s}})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!\,(\mathrm{n_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^{s}})!}\cdot$$

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

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

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

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

$\mathrm{j^{sa}} = \mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}-\mathrm{j^{sa}}+\mathrm{s} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

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

$\mathrm{D} \geq \mathbf{n} < \mathrm{n}[=\mathrm{Q5};\geq \wedge$

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

$\mathbf{s}: \{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j}[\mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\} \wedge$

$\mathrm{s}[=\mathrm{s}+\mathrm{Q5};\wedge$

$\mathbb{k}_z: \mathrm{z}=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$_{\mathrm{fz}}\mathrm{S}^{\mathrm{İSO}}_{\Rightarrow \mathrm{j_s},\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})}\sum_{(\mathrm{j_s}=\mathbf{l_s}+\mathbf{n}-\mathrm{D})}\right.$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{}\right.$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

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

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

$$\frac{(\mathbf{l_i}-\cdots-\mathbf{l_{sa}}}{(j^{sa}+\cdots-j_i-\mathbf{l_{sa}}\cdots)!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\cdots-\mathbf{l_i})!}{(\cdots-j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad -s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{\mathbf{n}-\mathbf{l_i}\quad)!\cdot(\mathbf{n}-j_i)!}\Bigg)$$

$$\sum_{j_s=2}^{(\quad 1)}\ \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

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

$$\sum_{n_i=}\ \sum_{0;+Q5;\ (n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

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

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$fz S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO} = \sum_{k=1}^{(j_s - D - s)} \sum_{(j_s - D)}$$

$$\sum_{j_{ik}=\mathbf{l_i}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{j_{sa}^{ik}-D-s}^{(\quad)} \sum_{a=j_{ik}+\mathbf{l_{sa}}}^{} \sum_{+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{=Q10;+Q5;\,(n_{is}}^{n} \sum_{+\mathbb{k}-j_s+1)}^{(n_i - j_s)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{k+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

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

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathrm{j_{sa}^{ik}}-1}^{\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{s}}\sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )}\sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;}+\mathrm{Q5;}}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathrm{j_{ik}}-\mathbb{k}_1}^{\mathrm{n_{is}}+\mathrm{j}}$$

$$(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathbb{k}_2)\ \mathrm{n_{sa}}+\mathrm{j^{sa}}-$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}+1)}\sum_{=\mathbf{n}-\mathrm{j_i}+1}$$

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

$$\frac{(-\mathrm{n_{ik}}-1)!}{-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

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

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

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

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j_{sa}^{ik}}+1\right)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j_{sa}^{ik}}+1)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

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

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$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\quad -j_s)!}{(n_i-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+j_{sa}-j^{sa}\quad j_{sa}^{s})!}\cdot$$

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

$$\frac{(D}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = \quad \geq 0 \wedge$

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

$\mathbf{s}: \{j_s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_s \ldots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} \quad \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

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

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

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

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

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

$$\sum_{n_i = Q10; +Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

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

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_i)!}$$

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

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

$$\sum^{n}\sum_{Q10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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

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

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\ldots-j_i)!}\Bigg)$$

$$\sum_{\ldots}^{(\mathbf{n}-\ldots)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-\ldots)}$$

$$\sum_{j_{ik}=\ldots+j_{sa}^{ik}-1} \sum_{(\ldots+\mathbf{l_{ik}}+\mathbf{l_{sa}}-\mathbf{l_{ik}})\,j_i=\ldots-s-j_{sa}}$$

$$\sum_{\ldots}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\ldots;+Q5;\,(n_{is}=\mathbf{n}+\ldots-j_s+1)}^{n} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\ldots_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

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

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{}^{(n_i-j_s)} \sum_{}^{n_{is}+j_s-j_{ik}} \mathbb{k}-j_s+1) \; \mathbf{n}+\mathbb{k}_2-j_{ik}+1
$$

$$
j_{ik}+j_{ik}-) \; +j^{sa}-j_i
$$

$$
\sum_{(n_{sa}=}^{} \sum_{}^{} {}^{sa}+1) \quad n_s=\mathbf{n}-j_i+1
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \quad \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \quad \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$\sum_{(n_{sa}=j^{sa}+1)}^{(n_{ik}+j_{ik}^{sa}-\mathbb{k}_2)} \quad \sum_{n_s=\mathbf{n}-j_i+1}^{n_s+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^{s}_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^{s}_{sa})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

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

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

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \quad \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

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

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

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )}$$

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

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

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

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

$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

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

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{j}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$\left({}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO}\right) = \sum_{k=1}^{(\quad)} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{\quad = \mathbf{l_s} + \mathbf{n} \quad - D - 1}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \quad \sum^{(\quad)} \quad \sum_{j_i = \mathbf{l_{sa}} + \mathbf{n} + s - D - j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i}^{n} \quad \sum^{(n_i - j_s + 1)} \quad \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \quad \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j}}^{(\ )}{}_{-\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_s}}^{(\ )}\sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_i}+\mathbf{l_{sa}}-\mathbf{l_i})}^{}\sum_{\mathbf{l_{sa}}+\mathbf{n}+\mathrm{s}-\mathrm{D}-\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5}}^{\mathrm{n}}\sum_{\mathrm{s}=\mathbf{n}+\mathbb{k}-}^{}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{n_i}}^{(\ )}\sum_{\mathrm{k}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}{(\mathrm{n_i}-\quad-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}\cdot$$

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

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

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

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}}$ $^{\mathrm{ik}} + 1$ $_{\mathrm{s}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

j^{sa} $\mathrm{j_i}$ $_{\mathrm{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

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

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

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

$\mathbf{s}$: $\left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}
$$

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

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \sum_{n_{is}=\mathbf{n}+\mathbb{k}-j_{ik}-\mathbb{k}_1}^{\ } \sum_{j_{ik}+1}^{\ }
$$

$$
(n_{ik}\ \ -j^{sa}-\mathbb{k}_2)\ n_{sa}+\ \ -j_i
$$

$$
\sum_{=\mathbf{n}-j^{sa}\ \ }^{\ } \sum_{n_s=\mathbf{n}-j_i+1}^{\ }
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D -}{(D - - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = \cdot \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{s} \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge = s + Q5;\wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k}_z = \mathbb{k}_1 + \Rightarrow$

$$_{fz}S^{iSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

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

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

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

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

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

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

$$\frac{(D -}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} = j^{ik}_{sa} -$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

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

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

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{\cdots}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$${}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} \sum_{[illegible]}^{[illegible]} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}} [illegible])}^{[illegible]}$$

$$\sum_{j_{ik} = \mathbf{l_s} + \mathbf{n} + j [illegible] D - 1}^{j^{sa} + j_{sa}^{ik} - j_{sa} [illegible]} \sum_{(j^{sa} [illegible] + \mathbf{n} - D)}^{([illegible] s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q [illegible] + Q5;}^{n} \sum_{(n_{is} = [illegible] \mathbb{k} - j_s + 1)}^{[illegible] - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}^{(\mathbf{n} + j_{sa} - s)} \sum_{(j^{sa} = \mathbf{l_{sa}} + \quad = j^{sa} \quad - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(\quad = \quad +1)} \sum_{(n_i - j_s + 1 \quad +j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} \quad + j_{ik} - j \quad \mathbb{k}_2)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} \quad j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \quad I)! \cdot (\mathbf{n} + \quad + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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

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

$j^{sa} = j_i + \quad - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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

$D \geq \mathbf{n} < \quad I = Q5; \geq 0 \wedge$

$< j^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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

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

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}
$$

$$
\sum_{(n_{ik}+j_{ik}-\mathbb{k}_2)}^{} \sum_{n_s=\mathbf{n}-j_i}^{n_{sa}-j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}-j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i}^{}
$$

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

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

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

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

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

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

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

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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

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

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^{s}_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^{s}_{sa})!}\cdot$$

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

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

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

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \quad \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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

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

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

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

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

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

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

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

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

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

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

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} -} \cdot$$

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

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

$$\frac{(\mathbf{l_i} - \mathbf{l_i})!}{(\mathbf{n} - \mathbf{n} - \cdot (\mathbf{n} - j_i)!}$$

$$\sum_{=1} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik}} \sum_{+\mathbf{n}+j_{sa}^{ik}} \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{Q10;+Q5;} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)} \sum_{n_s = \mathbf{n} - j_i + 1}$$

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

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

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

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

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+1-\mathbf{l_s}-\mathbf{l_{ik}})}$$

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

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(\ =\mathbf{n}+\mathbb{k}-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_i+\mathbb{k}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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

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

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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

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

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

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

$D\geq\mathbf{n}<n\wedge I=Q5;\geq 0\wedge$

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

$\mathbf{s}$: $\left\{j_{sa}^{s},\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s\geq 4\wedge\mathbf{s}=s+Q5;\wedge$

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$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}
$$

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

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \sum_{}^{n_{is}-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{}^{(n_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_{sa}+}^{j_i}
$$

$$
\sum_{=\mathbf{n}-j^{sa}}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

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

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

$$
\frac{(n_{} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}
$$

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$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} -)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} = \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} = j^{ik}_{sa} -$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{ISO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j^{ik}_{sa}-D-j_{sa}}^{\mathbf{n}+j^{ik}_{sa}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s)!\cdot(\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_s+1)!}{(j_s+\mathbf{l_{ik}}-\cdots)!\cdot(j_{ik}-\cdots-j^{ik}_{sa}+1)!}$$

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{\cdots}\ \sum_{(j_s=j_{ik}-j^{ik}_{sa}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}}^{\cdots+j^{ik}_{sa}-s}\ \sum_{j_{ik}+j^{ik}_{sa}-D-j_{sa}}^{(\ )}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

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$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{j}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fZ}_{\dots} = \sum_{\dots}^{(j_{ik} - j_{sa}^{ik} + \dots)} \sum_{\dots = \mathbf{l_s} + \mathbf{n} - D)}$$

$$\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{\mathbf{l_{sa}} + \mathbf{n} + j_{sa}^{ik} \dots - j_{sa} - 1} \sum_{\dots = \mathbf{l_{sa}} + \mathbf{n} - D)}^{(j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{\dots Q10; + Q5;}^{(n_{\dots} + j_s + 1)} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}\cdot$$

$$\sum_{k=1}^{\quad}\sum_{\quad}^{\quad}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D}^{\mathbf{n}+j_{sa}^{ik}-s}\quad\sum_{\quad}^{\quad}\quad\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{\quad}$$

$$\sum_{n_i=Q10;+Q}\quad\sum_{n_{is}=\mathbf{n}+\mathbb{k}-\quad}^{\quad}\quad\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{\quad}$$

$$\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{\quad}\quad\sum_{n_s=\mathbf{n}-j_i+1}^{\quad}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j_{ik}}-\mathrm{j_{sa}^{ik}}+1)}$$

$$\sum_{\mathrm{j_{ik}}=\mathbf{l_{sa}}+\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{D}-\mathrm{j_{sa}}}^{\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{s}}\ \sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}^{(\ )}\ \sum_{\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\ \sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}}^{\ }\ \mathbb{k}_1$$

$$\sum_{(\mathrm{n_{sa}}=}^{(\ )}\ \sum_{\mathrm{j_{ik}}-\mathrm{j^{sa}}}^{\ }\ \sum_{+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j}_{\ }+\mathrm{j_{sa}}-\mathrm{j}_{\ }-\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^{s}})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!\cdot(\ +\mathrm{j_s}+\mathrm{j}_{\ }-\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathbf{l_s}>\ -\mathbf{n}+1\wedge$

$2<\mathrm{j_s}\leq\mathrm{j_{ik}}\ ^{\mathrm{ik}}_{\mathrm{sa}}+1\wedge\ +\mathrm{j_{sa}^{ik}}-1\leq\mathrm{j_{ik}}\leq\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}\wedge$

$\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}\wedge\ ^{\mathrm{sa}}+\mathrm{s}-\ \leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j_{sa}}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}\ \mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\ =\mathrm{Q5};>\ \wedge$

$\mathrm{j_s}\ \mathrm{j_{sa}}\ 1\wedge\mathrm{j_{sa}^{ik}}=\mathrm{j_{sa}}-1\wedge\mathrm{j_{sa}^{s}}=\mathrm{j_{sa}^{ik}}-1\wedge$

$\mathbf{s}\colon\{\mathrm{j_{sa}^{s}},\mathbb{k}_1,\ \mathbb{k}_2,\mathrm{j_{sa}},\cdots,\mathrm{j_{sa}^{i}}\}\wedge$

$\mathrm{s}\geq 1\wedge\mathbf{s}=\mathrm{s}+\mathrm{Q5};\wedge$

$\mathbb{k}_{\mathrm{z}}\colon\mathrm{z}=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

$$_{\mathrm{fz}}\mathrm{S}^{\mathrm{İSO}}_{\Rightarrow\mathrm{j_s},\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}}=\sum_{\mathrm{k}=1}^{(\mathbf{l_{sa}}+\mathbf{n}-\mathrm{D}-\mathrm{j_{sa}})}\ \sum_{(\mathrm{j_s}=\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{j_{sa}^{ik}}+1)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

$$\frac{(n_{\cdot}-1)}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{\cdot}-1)!}{(j_{ik}-1)!\cdot(n_{is}+\cdot-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{\cdot}-n_{sa}-1)!}{(j^{sa}-\cdot-1)!\cdot(\cdot+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{\cdot}-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(l_s - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s}=s+Q5; \wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$S_{\Rightarrow j_{sa}^{sa},j_i}^{\text{İSO}} = \sum_{k=1}^{} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(}{(D+}+$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}-s+1)}\sum_{}^{(}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{;Q10;+Q5;}^{}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s-j_{ik}-\mathbb{k}_1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}} \sum_{-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{+1)} \sum_{+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}+j_{ik}-j} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} \quad j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \quad I)! \cdot (\mathbf{n} + \quad + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} \quad D - \mathbf{n} \quad 1 \wedge$

$2 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + \quad - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \quad + 1 > \quad \mathbf{a} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < \quad I = Q5; \geq 0 \wedge$

$< j^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \mathbb{k}_2-j_{ik}+1
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j}^{\mathbb{k}_2)\ n_s} j^{sa}-j_i
$$

$$
\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_{sa}+j_i-n_s-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{n}+j^{ik}_{sa}-s} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

$$\frac{(\mathbf{l}_{\mathbf{s}}-2)!}{(\mathbf{l}_{\mathbf{s}}-j_{s})!\cdot(j_{s}-2)!}$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\quad+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l}\quad\cdot(j_{ik}-j_s\quad+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}\quad)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\quad(j^{sa}+j\quad-j_{ik}-j_{sa})!}$$

$$\frac{(D-\quad}{(D+j\quad\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)}\sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}}\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_{i}-n_{is}-1)!}{(j_{s}-2)!\cdot(n_{i}-n_{is}-j_{s}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_{s}-1)!\cdot(n_{is}+j_{s}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)}\sum_{(j_{sa}=1)}^{(j_{sa}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\quad)}\sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=10;+Q5;}^{(n_i-\quad+1)}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < \quad \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5; \geq 0 \wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+} \sum_{(=\mathbf{l_s}+\mathbf{n}-D)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum^{(\ )} \sum^{\mathbf{n}} \sum_{j_i=\mathbf{l_{ik}}+s+\mathbf{n}-D}
$$

$$
\sum^{n} \sum^{(n_i-j_s+1)} \sum^{+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
n_i=Q \quad +Q5;\ (n_{is} \quad \mathbb{k}-j_s+1)\ n_{ik} \quad -j_{ik}+1
$$

$$
(n_{ik} \quad -j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i
$$

$$
\sum_{sa=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{n}} \sum_{j_i=\mathbf{l_{ik}}+s+\mathbf{n}-D-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{}}$$

$$\frac{(n_i + j_s \quad ;^{sa} - s \quad - j_{sa}^s)!}{(\quad - \mathbf{n}_{\_} - I)! \cdot (\quad j_s + j_{sa} \quad ;^{is} \quad s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{\quad - j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} \quad \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \mathbb{k}_1, j_{sa}^{ik}, \quad \quad j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_{\_}: z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{İSO}} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \left(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is} + 1)!}$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{sa} - n_{sa} - 1)}{(j^{sa} - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \left(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} = \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} -$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{n}+j^{ik}_{sa}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\quad)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\quad)!}{(\mathbf{l_s}-j_s)!\cdot(\quad-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_s+1)!}{(j_s+\mathbf{l_{ik}}-\quad)!\cdot(j_{ik}-\quad-j_{sa}^{ik}+1)!}$$

$$\frac{(D-\quad)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{k=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}}\sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$$

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$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$fz^{\cdots} = \sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{(\mathbf{l_{ik}}+\mathbf{n}-D-j_{s}} \sum_{(\cdots+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{(\mathbf{n}+\cdots-s} \sum_{=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\cdots+Q10;+Q5;}^{(n_{\cdots}+s+1)} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-}^{(\ )} \mathbf{l_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{=}^{(n_i-j_s+} \sum_{+1)\ n_{ik}}^{n_{is}+j_s-j_{ik}} +\mathbb{k}_2-j_{ik}+1$$

$$+j_{ik}-j^{sa}-\mathbb{k}_2 \quad +j^{sa}-j_i$$

$$\sum_{(n_{sa}=\mathbf{n}} \sum_{+1)\ \ n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{s}}$$

$$\frac{(n_i + j_s \quad ;^{sa} - s \quad - j_{sa}^{s})!}{(\quad - \mathbf{n} - I)! \cdot (\quad j_s + j_{sa} \quad ;^{s} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{\quad - j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(\quad - j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \mathbb{k}_1, j_{sa}^{ik} \quad \quad j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} -)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - [illegible] - j^{sa})!}$$

$$\frac{(n_{[illegible]} - n_s - [illegible])!}{(j_i - j^{sa} - 1)! \cdot [illegible] + j^{sa} - n_s - [illegible])!} \cdot$$

$$\frac{(n_{s[illegible]} - 1)!}{[illegible] + j_i - [illegible] (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{[illegible] - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s [illegible] - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + [illegible] - j^{sa} - \mathbf{l_{ik}}) (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{( )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{( )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{( )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq \mathbf{n}<n\wedge \mathbf{l_s}>1\wedge \mathbf{l_i}\leq D+s-\mathbf{n}\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq \mathbf{n}\wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge \mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$$

$$D\geq \mathbf{n}<n\wedge I=Q5;\geq 0\wedge$$

$$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$$

$$\mathbf{s}\colon\left\{j_{sa}^{s},\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$$

$$s\geq 4\wedge \mathbf{s}=s+Q5;\wedge$$

$$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$$

$$\left.{}_{j_{ik},j_{sa}}^{\text{İSO}}\right.{}_{,j_i}=\left(\sum_{k=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )}\sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l_{sa}} - j_{sa})!} \cdot$$

$$\frac{(\quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot \quad j_i)!} +$$

$$\sum_{(j_s} \sum_{+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{=j_i+j_{sa}} \sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{+Q10;+Q5;} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}} \sum_{+2}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_i - j_s +} \sum_{+1)\, n_{ik}} \sum_{n_{is}+j_s-j_{ik}-} \sum_{+\mathbb{k}_2 - j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}} \sum_{+1)} \sum_{+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{+j^{sa}-j_i} \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s-1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}-j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-}^{}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{i}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{}}{(j_{ik} - (n_{is} + - n_{ik} - j_{ik})!}$$

$$\frac{(n_{sa} - n_{sa} -}{(j^{sa} - - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_{} - 1)!}{(j_i - j^{sa} - \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \quad - \mathbf{l_i})! \cdot (\mathbf{n} - \quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \quad j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge \quad = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-\quad-j^{sa})!} \frac{(n_{\quad}-n_s-\quad}{(j_i-j^{sa}-1)!\cdot(\quad+j^{sa}-n_s-\quad)!}\cdot \frac{(n_{s\quad}-1)!}{(\quad+j_i-\quad(\mathbf{n}-j_i)!}\cdot \frac{(\mathbf{l_s}-2)!}{(\quad-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\quad-j^{sa}-\mathbf{l_{ik}})!\,(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\quad)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s)!\cdot(\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\cdots)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}-\cdots)!\cdot(j^{sa}+\cdots-j_{ik}-j_{sa})!}$$

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{\cdots}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s, j_{ik}, j^{sa}, \ldots} = \sum_{\ldots=1}^{\ldots} \sum_{(j_s=2)}^{(\ldots+1)}
$$

$$
\sum_{\ldots}^{\ldots} \sum_{j_i=\mathbf{l_{ik}}-\mathbf{l_s}+j_{sa}}^{j_i=j_i+\mathbf{l_{sa}}-\mathbf{l_i})} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}
$$

$$
\sum_{\ldots}^{\ldots} \sum_{(n_{is}=\ldots-j_s+1)}^{\ldots} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{\ldots}
$$

$$
\sum_{n_i=\ldots+Q5;}^{n} \sum_{(n_{is}=\ldots-\mathbb{k}-j_s+1)}^{\ldots} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{\ldots}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{-\mathbf{l_i})}^{\mathbf{l_i}} \sum_{=\mathbf{l_s}+s}$$

$$\sum_{n_i=Q10;+Q}^{n} \sum_{-j_s+1)}^{(n_i-j_s)} \sum_{n+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1} \sum_{j_i=s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{\mathbb{k}_2)} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s}{(\ - \mathbf{n} - I)! \cdot (\ + j_s + j_s}$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)! \cdot (j_s-2)!}$$

$$\frac{(D-\mathbf{l_i})!}{(D\ j_i-\mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq$ $+ s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}$ $1 \leq j_{ik} \leq j$ $+ j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} =$ $+ j_{sa} - s \wedge$ $+ s - j_{sa} \leq j_i$ $\mathbf{n} \wedge$

$\mathbf{l}$ $- j_{sa}^{ik} + 1$ $\wedge \mathbf{l_{sa}} +$ $^{ik} - j_{sa} > \mathbf{l}$ $\wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq$ $< n \wedge I = Q$ $\geq 0 \wedge$

$\leq j_{sa}^{i}$ $1 \wedge j_{sa}^{ik} = j_{sa}$ $1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}$: $\{j_{sa}^{s}$ $\mathbb{k}_1, j_{sa}^{ik}$, $j_{sa}\} \wedge$

$s \geq 4 \wedge s$ $s + Q5; \wedge$

$\mathbb{k}_z : z = 2$ $\mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i}{(j_s-2)}$$

$$\frac{(n_{is}-n_{i}}{(j_{ik}-}$$

$$\frac{(n_{i}-n_{sa}-1)}{(j^{sa}-}$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot \frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot \frac{(n_s-1)!}{(n_{sa}+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot \frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_s}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)}\sum_{j_i=s+2}^{\mathbf{l_s}+s-1}\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s-\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\cdots)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}-\cdots)!\cdot(j^{sa}+\cdots-j_{ik}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}-\cdots-\mathbf{l_{sa}}}{(j^{sa}+\mathbf{l}\cdots j_i-\mathbf{l_{sa}}\cdots(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathbf{l}\cdots\mathbf{l_i})!}{(\mathbf{D}\cdots_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ \ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}!\cdot(j_i+j_{sa}-\quad s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{=1}^{\quad}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{sa}})}\ \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)$$

$$\sum_{k=1}^{(}\sum_{(j_s=j_{ik}+\mathbf{l_s}}$$

$$\sum_{k=j^{sa}+j_{sa}}\sum_{(j^{sa}=j_i+j_{sa}}^{\mathbf{l_s}+s-1}\sum_{l=s+1}$$

$$\sum_{n_i=}^{n}\sum_{;+Q5;\,(n_{is}=\mathbf{n}+j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\mathrm{i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}{\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq \quad \mathrm{n}\wedge \mathbf{l_s}>1\wedge \mathbf{l_i}\leq \mathrm{D}+\mathrm{s}-\mathbf{n}\wedge$

$1\leq \mathrm{j_s}\leq \mathrm{j_{i}}\quad \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1\wedge \mathrm{j_s}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1\leq \mathrm{j_{ik}}\leq \mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}\wedge$

$\quad\quad \mathrm{j_{sa}}-\mathrm{s}\wedge \mathrm{j}^{\mathrm{sa}}+\mathrm{s}-\mathrm{j_{sa}}\leq \mathrm{j_i}\leq \mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1>\mathbf{l_s}\wedge \mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}=\mathbf{l_{ik}}\wedge \mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}>\mathbf{l_{sa}}\wedge$

$\mathrm{D}\geq \mathbf{n}<\mathrm{n}\wedge \mathrm{I}=\mathrm{Q5};\geq 0\wedge$

$\mathrm{j_{sa}}\leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}-1\wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}=\mathrm{j_{sa}}-1\wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1\wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}^{İSO} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \left(\sum_{}^{} \right. \sum_{}^{\mathbf{l_s}+s-1} \sum_{}^{} \left. \right) \sum_{}^{} \left. \right) \sum_{}^{} \sum_{}^{s+1}
$$

$$
\sum_{n_i=Q10;+Q5}^{n} \sum_{}^{(n_i-j_s} \sum_{}^{} \sum_{}^{n_{is}+j_s-j_{ik}}
$$

$$
\sum_{}^{} \sum_{}^{+1)\ n_{}} \sum_{}^{n+\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{}^{} \sum_{}^{+j_{ik}-j^{} \cdots j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}=n_{}^{}}^{} \sum_{}^{sa}+1) \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_s}+}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=}^{n_{is}+j_s-j_{ik}-\mathbb{k}} {}_{2}-j_{ik}+1$$

$$(n_{ik}+j_{} {}^{sa}-\mathbb{k}_2)\ n_s {}^{sa}-j_i$$

$$\sum_{(n_{sa}}^{} \sum_{}^{} {}^{sa}+1)\ \ n_s=\mathbf{n}-$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot n_{} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}\right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=s+2}^{\mathbf{l_s}+s-1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_{sa}+j_i-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_s - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - j_s - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(j_i + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{(j^{sa}=j_{sa}+1)}^{\mathbf{l_i}} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} -$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{-1)!}{(n_s + - \mathbf{n} - 1) - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} -)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - j_{sa}^{ik} +}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s} - (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} - j_{sa} - \mathbf{l_{sa}} - s)!}{^{sa} + \mathbf{l_i} - j_i -)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{( )}$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{( )} \sum_{j_i = s+1}^{\mathbf{l_s} + s - 1}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{( )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D} + \mathrm{s} - \mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} = \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}\,\mathrm{S}_{\Rightarrow,\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}} \sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j_{sa}^{ik}}+1)} \sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_{sa}^{ik}}+1}^{\mathrm{j^{sa}}+\mathrm{j_{sa}}} \sum_{(\mathrm{j^{sa}}=\mathrm{j_i}+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{\mathrm{j_i}=\mathrm{s}+1}^{\mathbf{l_s}+\mathrm{s}-1}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\quad)!}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\quad j_i)!}+$$

$$\sum_{(j_s=2)}^{(\mathbf{l_s})}\sum_{j_{ik}=j_{sa}}^{j_{sa}+j_{sa}^{ik}-j_{sa}}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\quad)}\sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{Q10;+Q5;}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} -$$

$$\sum_{k^{}}^{(\mathbf{l_s})} \sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{}^{\mathbf{l_{ik}}}}^{\mathbf{l_{ik}}} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_i}+\mathbf{l_{sa}}-}^{} \sum_{=\mathbf{l_{ik}}+\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+}}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_{}+1)}^{(\mathrm{n_i}-\mathrm{j_s}} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{-\mathbb{k}_2)\ \mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} - 2)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_s}}\sum_{j_i=s+1}^{\mathbf{l_s}+}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s}^{\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(\ )}\sum_{+j_{ik}-j}\sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\ +j_{sa}-\ -s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\ +j_s+\ -j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>\ \wedge\mathbf{l_i}\leq D+s-\ \wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge\ +j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge\ _{sa}+s-\ \leq\ \leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_s+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}\ j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge\ =Q5;\geq\ \wedge$

$j_{sa}\ j_{sa}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$

$\mathbf{s}:\{j_{sa}^{s},\mathbb{k}_1,j\ \mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq\ \mathbf{s}=s+Q5;\wedge$

$\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\text{İSO}}=\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n+k_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-k_1}$$

$$\sum_{(n_{sa}=n-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-k_2)} \sum_{=n-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (n_{is} + j_{sa} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}} \sum_{(j^{sa}=l_{ik}+j_{sa}^{ik}-s+1)}^{(l_i+j_{sa}-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n+k_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-k_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - [illegible] - j^{sa})!}$$

$$\frac{(n_{[illegible]} - n_s - [illegible])!}{(j_i - j^{sa} - 1)! \cdot [illegible] + j^{sa} - n_s - [illegible])!} \cdot$$

$$\frac{(n_{s[illegible]} - 1)!}{[illegible] + j_i - [illegible] (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{[illegible] - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s [illegible] - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + [illegible] - j^{sa} - \mathbf{l_{ik}}) [illegible] (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{[illegible]} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D} + \mathrm{s} - \mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j}^{\mathrm{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} > \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} = \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_{\mathrm{z}}: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{c}^{\mathrm{İSO}}_{\mathrm{j_{ik}},\mathrm{j_{sa}},\mathrm{j_s},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{sa}}+1)}^{(\mathbf{l_{ik}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathrm{s}-\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(}{(D+}+$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{(\quad)}\sum_{(j_s}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}\sum_{(}\sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{Q10;+Q5;}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) +$$

$$\left(\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}}}\right.$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{sa}}+1)}^{(\mathbf{l_{ik}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{s})} \sum_{\mathrm{j_i}}^{\mathrm{j_{sa}}+1}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+Q5;}}^{\mathrm{n}} \sum_{(\mathrm{n_i}-\mathrm{j_s}+}^{=\mathbf{n}+} \sum_{\mathrm{n_{ik}}}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-} \sum_{+\mathbb{k}_2-\mathrm{j_{ik}}+1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-}^{+1)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)}^{\ } \sum_{n_s=\mathbf{n}-}^{\ }$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(\quad+j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(\quad+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{sa}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=\ +j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - \ldots - j_s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - \ldots - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \ldots)! \cdot (j_s - 2)!}$$

$$\frac{(D - \ldots)}{(D + \ldots - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \ldots \leq j_{ik} \leq j \ldots + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \ldots l_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} \ldots > \mathbf{l_{ik}} \wedge \mathbf{l_i} \ldots_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \ldots \geq 0 \wedge$

$j_s \ldots \leq j_{sa}^{i} - 1 \ldots_{sa}^{ik} = j_{sa} \ldots 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{\ldots \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa} \ldots, j_{sa}^{i}\} \wedge$

$\ldots \geq 4 \wedge \ldots = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} \ldots \mathbb{k} \ldots \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_s}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_i}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa})}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_{sa} + 1)}^{(\mathbf{l_s} + j_{sa} - 1)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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$$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{j}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$\begin{aligned}
{}_{fz}S^{I5}_{\Rightarrow j_s, j^{sa}, j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}^{} \\
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-}^{(\mathbf{l_s}+j_{}-1)} \sum_{(j^{sa}=j_{sa}+1)}^{} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{} \\
\sum_{n_i}^{n} \sum_{10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \\
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \\
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot \\
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot \\
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
\end{aligned}$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1\right)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-$$

$$\sum_{\mathrm{j_s}=2}^{(\mathbf{l_s})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{S})}\ \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathbf{l}}$$

$$\sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};}^{\mathrm{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}+}$$

$$\sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{(\mathrm{n_i}}$$

$$\sum_{\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}}$$

$$\sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1\right)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\ -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s - j^{sa} - s - j_{sa}^s)!}{(\mathbf{n} - \mathbf{n} - I)! \cdot (j_s + j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D - j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j + j_{sa} - s \wedge + s - j_{sa} \leq j \mathbf{n} \wedge$

$\mathbf{l} - j_{sa}^{ik} + 1 \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q \geq 0 \wedge$

$\leq j_{sa}^{s} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \mathbb{k}_1, j_{sa}^{ik}, j_{sa}^{n}\} \wedge$

$s \geq 4 \wedge s s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\dot{I}SO} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-\quad-j^{sa})!} \frac{(n_{\quad}-n_s-\quad}{(j_i-j^{sa}-1)!\cdot(\quad+j^{sa}-n_s-\quad)!}\cdot \frac{(n_{s\quad}-1)!}{\quad+j_i-\quad(\mathbf{n}-j_i)!}\cdot \frac{(\mathbf{l_s}-2)!}{\quad-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\quad-j^{sa}-\mathbf{l_{ik}}+\quad(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(\quad)} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{} \sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}} \sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s-\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\cdots)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}-\cdots)!\cdot(j^{sa}+\cdots-j_{ik}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}-\cdots-\mathbf{l_{sa}}}{(j^{sa}+\cdots-j_i-\mathbf{l_{sa}}\cdots(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\cdots-\mathbf{l_i})!}{(D-\cdots-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(\mathbf{l_i}+j_{sa}-}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}}\cdot$$

$$\frac{(D-}{\mathbf{n}-\mathbf{l_i})}$$

$$\sum_{=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}}\ \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

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$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik},j_{sa},j_i} = \left(\sum_{k=1}^{(\quad - j_{sa}^{ik}+1)} \sum_{(j_s} \right.
$$

$$
\sum_{=j^{sa}+\mathbf{l_{ik}}}^{(\mathbf{l_s}+j_{sa}} \sum_{(j^{sa}=j_{sa}+1} \left. \right)^{s-j_{sa}}
$$

$$
\sum_{-Q10;+Q5;}^{n} \sum_{(n_{is}=\quad -j_s+1)}^{(n_i-j_s} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_k+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}\ \sum_{}^{j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}}^{(n_i-j_s+1)}\ \sum_{}^{n_{is}+j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{ik}+j_{ik}}\ \sum_{(n_{sa}-}$$

$$\frac{(n_i-n_{is}-1)!}{(\quad-2)!\cdot(\quad-n_{is}-j_s+1)!}\cdot$$

$$\frac{(\quad-n_{ik}-1)!}{(\quad-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(\quad-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=j_{sa}+1)}^{\mathbf{l_i}} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

$$\frac{(n_{\quad}-1)}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{\quad}-1)!}{(j_{ik}-\quad)!\cdot(n_{is}+\quad-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{\quad}-n_{sa}-\quad}{(j^{sa}-\quad-1)!\cdot\quad+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{\quad}-1)!}{(j_i-j^{sa}-\quad)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{\mathbf{l_i}} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} = j^{ik}_{sa} -$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s-\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_s+1)!}{(j_s+\mathbf{l_{ik}}-\cdots)!\cdot(j_{ik}-\cdots-j^{ik}_{sa}+1)!}$$

$$\frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j_s-\mathbf{l_{ik}})!\cdot(\cdots+j^{ik}_{sa}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D-\cdots-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{ik}}+j_{sa}-j^{ik}_{sa})}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!(j_{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s}^{\mathbf{l_{ik}}}\sum_{(+j_{sa}-s)}\sum_{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)\ j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum^{n}\sum_{Q10;+Q5;\ (n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\ldots}\sum_{(j_s=j_{ik}-j_{sa}^{ik}\ldots}$$

$$\sum_{j_{i\ldots}^{sa}+j_{sa}^{ik}-j_s}\sum_{(\ldots=j_{sa}+1)\ j_i-\ldots+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\ldots-j_s+1)$$

$$\sum_{n_i=\ldots+Q5;\ (n_{is}=\mathbf{n}+\ldots-j_s+1)}^{n}\ \sum\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\ldots_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\ldots n\wedge \mathbf{l_s}>1\wedge \mathbf{l_i}\leq D+s-\mathbf{n}\wedge$

$1\leq j_s\leq j_{i\ldots}\ldots j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j\ldots\ldots j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq \mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D\geq \mathbf{n}<n\wedge I=Q5;\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{ik})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{(n_i-j_{s+1})}^{} \sum_{n_{is}+j_s-j_{ik}+\mathbb{k}_1}
$$

$$
\sum_{(n_{ik}+j_{ik}-\mathbf{n}+\mathbb{k}-j_s+1)}^{} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{} \sum_{+j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}-j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(\quad^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}
$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\quad -j_s)!}{(n_i-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}\quad j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\quad)!\cdot(j_s-2)!}$$

$$\frac{(D\quad}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \quad > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \quad_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \quad \geq 0 \wedge$

$j_s \leq j_{sa}^{i} - 1 \quad_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa} \ldots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k}_z \quad \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - j_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{{}^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ )} \sum_{j_i = j^{sa}+s-j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D}+\mathrm{s}-\mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j}^{\mathrm{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} = \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}\mathrm{S}_{\Rightarrow \mathrm{j_s}}^{\mathrm{is}} \ldots \mathrm{j}^{\mathrm{sa}}, \mathrm{j_i} = \sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}})}^{(\ldots_{\mathrm{i}}+\mathrm{j_{sa}}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ )!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\ \ \mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\ }\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ )}^{\ }$$

$$\sum_{j_{sa}^{ik}+1}^{\mathbf{l_s}+j^{\ }}\ \sum_{(j^{\ }+j_{sa}-j_{sa}^{ik})\ j_i}^{(\ \ )}\ \sum_{\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=\ \ 0;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\ \ -j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(\ \ -\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \ \ n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D+s-\mathbf{n} \wedge$

$1 \leq j_s \leq j_{i\ } \ j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$\ \ \ \ \ j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}=j_{sa}^{ik}-1 \wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+}^{(\ )} \sum_{j_i=j^{s}}^{} \sum_{}^{\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{}^{(n_i-j_s} \sum_{}^{n_{is}+j_s-j_{ik}}
$$

$$
\sum_{}^{k-j_s+1)} \sum_{}^{\mathbf{n}+\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{}^{ik}+j_{ik}-j \sum_{}^{j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}=}^{sa}+1) \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_i}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{\mathbb{k}_2}^{-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}}^{} \sum_{\mathbb{k}_2)}^{} n_s^{} \sum_{}^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}-}^{} \sum_{isa+1)}^{} n_s=\mathbf{n}-j$$

$$\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \quad - \mathbf{l_i})! \cdot (\mathbf{n} - \quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \quad j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s > \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge \quad = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, \cdots, j^{i}_{sa}\} \wedge$

$s > 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{iso}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{\mathbf{l_s}+j^{ik}_{sa}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa}}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\mathbf{l_s} + j_{sa}^{ik} - 1} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ \ )} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{I5}_{\Rightarrow j_s \ldots j^{sa}, j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}^{}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot
$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s}$$

$$\sum_{=\mathbf{l_s}+j_{sa}^{ik}}^{(\ )}\sum_{j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\sum_{s-j_{sa}}$$

$$\sum_{Q10;+Q5;}^{n}\sum_{(n_{is}=}^{(n_i-j_s+}\sum_{\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{ik}^{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_{sa}+j^{sa}-j_i}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}\sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\ \sum_{j_i=j_{s}-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}_{}-1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{}+1}^{n_{is}+j_s-\mathbb{k}_1}$$

$$\sum_{}^{(n_{ik}+j_{ik}-j_{}-\mathbb{k}_2)}\ \sum_{}^{n_{sa}+j^{sa}-j_i}$$

$$\sum_{a=\mathbf{n}-j^{sa}+1}^{}\ \sum_{}^{n-j_i+1}$$

$$\frac{(n_{is}-n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}-n_{ik}-1)!}{(j_{ik}-j_s-\ )!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s-j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2)!\ (\quad n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)!\ (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\ldots-I-j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}\ldots j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\ldots)!\cdot(j_s-2)!}$$

$$\frac{(D\ldots}{(D+\ldots-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \ldots \leq j_{ik} \leq j_{\ldots} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \ldots j_{sa} \leq j_i \leq \mathbf{n} \ldots$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} \ldots > \mathbf{l_{ik}} \wedge \mathbf{l_i} \ldots_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \ldots \geq 0 \wedge$

$j_s \leq j_{sa}^{i} - 1 \ldots_{sa}^{ik} = j_{sa} \ldots 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{\ldots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa} \ldots, j_{sa}^{i}\} \ldots$

$\ldots \geq 4 \wedge \ldots = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} \ldots \mathbb{k}_{\ldots} + \ldots_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + j_i - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_{sa} + j_i - j^{sa} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_{ik}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_{ik}} - j^{ik}_{sa} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\quad)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\quad-j_{sa})!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=2)}^{(\quad\ j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s}^{(\quad)}\sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i\quad 0;+Q5;}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

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$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_{sa}^{ik}, j_i}^{İSO} = \left(\sum_{k=1}^{(\quad - j_{sa}^{ik}+1)} \sum_{(j_s} \right.
$$

$$
\sum_{j_{ik}} \sum^{(\mathbf{l_{sa}})} \sum_{+\mathbf{l_{ik}}-\mathbf{l_s}\ (j} \sum_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{s-j_{sa}}
$$

$$
\sum^{n} \sum^{(n_i-j_s+} \sum^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
Q10;+Q5;\ (n_{is}= \sum \mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1
$$

$$
\sum_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\Bigg(\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j_s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-}^{n_{is}+j_s}$$

$$\sum_{}^{(n_{ik}+j_{ik}-}\ \sum_{n_{sa}+j^{sa}-j_i}^{}$$

$$\sum_{}^{}\ \sum_{-j_i+1}^{}$$

$$\frac{(n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

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$$\sum_{k=1}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}} -j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j} \mathbb{k}_2) \sum_{n_s=n_{sa}+j^s}$$

$$\frac{(n_i + j_s \quad ^{sa} - s - j_{sa}^s)!}{(\quad \mathbf{n} - I)! \cdot (\quad j_s + j_{sa} \quad ^{sa} \quad s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad - j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad n \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \quad \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{s-} \quad _1, j_{sa}^{ik}, \quad , j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\quad : z = 2 \quad = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{iSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_i}+j_{sa}-s)} \left(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\left(n_{sa}=\mathbf{n}-j^{sa}+1\right)^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_{is} + j_{ik} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \left(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}\right)^{(\quad)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} = \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} -$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\}$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1}^{\mathbf{l_i}+j^{ik}_{sa}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s)!\cdot(\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{\cdots}+1)!}{(j_s+\mathbf{l_{ik}}-\cdots)!\cdot(j_{ik}-\cdots-j^{ik}_{sa}+1)!}$$

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(l_s)}\sum_{(j_s=2)}$$

$$\sum_{\cdots=j_s+j^{ik}_{sa}-1}^{}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$

$1\leq j_s\leq j_{ik}-j^{ik}_{sa}+1\wedge j_s+j^{ik}_{sa}-1\leq j_{ik}\leq j^{sa}+j^{ik}_{sa}-j_{sa}\wedge$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik}\ j_i} = \left(\sum_{k=1} \sum_{(j_s=2,} \right.^{(\mathbf{l_s})}
$$

$$
\sum_{j_{ik}=j_s} \sum^{\mathbf{l_s}\,(j^{sa}=j_{n_a}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}
$$

$$
\sum^{n} \sum_{-j_s+1)} \sum_{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_i=Q} \sum_{+Q5;\,(n_{is}=} \sum_{\mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=}^{(l_s)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum^{l_i}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_i-j_s+}^{} \sum_{n_{is}+j_s-j_{ik}}^{}$$

$$\sum_{(n_{sa}=\mathbf{n}}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum^{(\ )}_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum^{(n_i-j_s+1)}_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=n_{is}} -j_{ik}-\mathbb{k}_1$$

$$\sum^{(\ )}_{(n_{sa}=n_{ik}+j_{ik}-} \mathbb{k}_2) \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad {}^{sa} - s \quad - j_{sa}^{s})!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + j \quad {}^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{- j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(\quad - j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} = \mathbf{l} \quad \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad \geq 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \mathbb{k}_1, j_{sa}^{ik} \quad \quad j_{sa}\} \wedge$

$s \geq 4 \wedge s \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)} \right.$$

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$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}\right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_s - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(j_{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

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$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} -$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} -$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}}$$

$$\frac{(D -$$

$$\frac{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

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$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \le j_i \le \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \le D + \mathbf{l_{ik}} + s - \mathbf{n} - j_{sa}^{ik} \wedge$

$D \ge \mathbf{n} < n \wedge I = Q5; \ge 0 \wedge$

$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \ge 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S_{\Rightarrow j_s, j_{ik}, j_i}^{İSO} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + \cdots}^{j^{sa} + j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})}^{\cdots} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{l_{ik}} + s - j_{sa}^{ik}}$$

$$\sum_{n_i}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\quad}+$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j\quad-\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{ik}+1}^{\mathbf{l_{ik}}}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}\quad}^{(\quad)}\sum_{i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}$$

$$\sum_{n_i=Q10;+\quad}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}\quad+1)}^{(n_i-)s\quad}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{ik}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{sa=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-\quad-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\ -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-Q}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i+j_s \quad ;^{sa}-s \quad -j_{sa}^s)!}{(\quad -\mathbf{n}-I)!\cdot(\quad +j_s+j_{sa} \quad ;^{sa}-s-j_{sa}^s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \quad -\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad +j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa} = \quad +j_{sa}-s \wedge \quad +s-j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 \quad \wedge \mathbf{l_{sa}}+ \quad -j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s > \mathbf{l_{sa}} \wedge$

$D \quad -\mathbf{n} < \mathbf{l_i} \leq D \quad \mathbf{l_{sa}}+s \quad -j_{sa} \wedge$

$\geq \mathbf{n} < \quad \wedge I = Q5; \geq \quad \wedge$

$j_{sa} \leq j \quad -1 \wedge \quad -1 \wedge j_{sa}^s = j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \{j_{sa}, \mathbb{k}_1, \quad , \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^i\} \wedge$

$\geq 4 \wedge \mathbf{s} \quad s+Q5; \wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\text{İSO}} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} -)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s-\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\cdots)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}-\cdots)!\cdot(j^{sa}+\cdots-j_{ik}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}-\cdots-\mathbf{l_{sa}}}{(j^{sa}+\mathbf{l}\cdots j_i-\mathbf{l_{sa}}\cdots(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathbf{l}\cdots\mathbf{l_i})!}{(\mathbf{D}\cdots_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ \ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(\mathbf{l_i}+j_{sa}-}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}}\cdot$$

$$\frac{(}{}$$

$$\sum_{=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_i}^{\mathbf{l_{ik}}}\sum_{=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})}\sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{}^{n}\sum_{Q10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\quad-\mathrm{j_i})!}\Big)$$

$$\sum_{\mathbb{k}=1}^{(\quad)}\ \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-}$$

$$\sum_{\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_s}}^{(\quad)}\ \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s})}^{\mathbf{l_{ik}}+\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}}\ \sum_{\mathrm{j_i}=\mathrm{j_i}+\mathbf{n}-\mathrm{D}}$$

$$\sum_{\mathrm{n_i}=\quad+\mathrm{Q5};\ (\mathrm{n_{is}}=\mathbf{n}+}^{\mathrm{n}}\ \sum_{\mathrm{j_s}+1)\ \mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}^{(\quad)}\ \sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{\mathrm{j_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}{-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\quad\mathrm{n}\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq\mathrm{D}-\mathbf{n}+1\wedge$

$1\leq\mathrm{j_s}\leq\mathrm{j_i}\quad\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1\wedge\mathrm{j_s}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1\leq\mathrm{j_{ik}}\leq\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}\wedge$

$\quad\quad\quad\mathrm{j_{sa}}-\mathrm{s}\wedge\mathrm{j}^{\mathrm{sa}}+\mathrm{s}-\mathrm{j_{sa}}\leq\mathrm{j_i}\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}+\mathrm{s}-\mathbf{n}<\mathbf{l_i}\leq\mathrm{D}+\mathbf{l_{ik}}+\mathrm{s}-\mathbf{n}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}\wedge$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathrm{I}=\mathrm{Q5};\geq 0\wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s\ \ _{k}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(\ \ _{j_i}+\mathbf{l_{sa}}-\mathbf{l_i})\ j_i=\mathbf{l_i}}^{(\ \ )} {}^{+s-1}_{\ \ D}
$$

$$
\sum_{n_i=Q\ \ +Q5;\ (n_{is}\ \ +\mathbb{k}-j_s+1)\ n_{ik}}^{n} \sum^{(n_i-j_s+1)} \sum^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{\ \ -j_{ik}+1}
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1}^{(n_{ik}\ \ -j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_s}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}}^{(n_{ik}+j_{ik}} \mathbb{k}_2) \; n_s^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}}^{} \sum_{n_s=\mathbf{n}-j_i}^{}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{is} - n_{ik} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{} \sum_{(j^{sa}=j_i+\mathbf{l_i}-\mathbf{l_{sa}})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j^{ik}_{sa}+1\wedge j_s+j^{ik}_{sa}-1\quad j_{ik}\leq j^{sa}+\quad-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\quad\wedge$

$\mathbf{l_{ik}}-j^{ik}_{sa}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j^{ik}_{sa}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}\quad j_{sa}-s=\mathbf{l_{sa}}$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_s}+\quad-\mathbf{n}-1\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;\geq 0\wedge$

$j_{sa}\leq j^{j}_{sa}-1\wedge j^{ik}_{sa}=j_{sa}-1\wedge j^{s}_{sa}\quad^{ik}_{a}-1$

$\mathbf{s}:\{j^s_{sa},\mathbb{k}_1,j_{sa}\quad\mathbb{k}_2,j_{sa},\cdots j_{sa}\}\wedge$

$s\geq 4\wedge\mathbf{s}=s+\quad\wedge$

$\mathbb{k}_z:z\quad\wedge\mathbb{k}=\mathbb{k}_1+\quad\Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s,j_{ik},j^{sa},j_i}=\sum_{k=1}^{}\ \sum_{(j_s=2)}^{(j_{ik}-j^{ik}_{sa}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}\ \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ \ )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s)!\cdot(\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{\cdots}+1)!}{(j_s+\mathbf{l_{ik}}-\cdots)!\cdot(j_{ik}-\cdots-j^{ik}_{sa}+1)!}$$

$$\frac{(D-\cdots)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}-j^{ik}_{sa}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1}\sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j^{ik}_{sa}+1\wedge j_s+j^{ik}_{sa}-1\leq j_{ik}\leq j^{sa}+j^{ik}_{sa}-j_{sa}\wedge$$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\leq}^{j_{sa}^{s}} = \left(\sum_{} \sum_{(\quad)}^{(\quad)} \right)_{1\,(j_{sa}^{s}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\quad)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{Q10;+Q5;}^{(n_{is}+j_s+1)} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i}^{(\ )} \sum_{j_{is}}^{a+s-j_{sa}} \sum_{}^{+s}$$

$$\sum_{n_i=Q10;+Q5}^{n} \sum_{}^{(n_i-j_s} \sum_{}^{n_{is}+j_s-j_{ik}} \sum_{}^{+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{}^{+j_{ik}-j^{sa}-} \sum_{}^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}=}^{+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}}\ \sum_{n_s=\mathbf{n}-j_i}^{n_s}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\quad+j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{ik}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} -)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\quad}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\quad\wedge\mathbf{l_i}+j_{sa}\quad s>\mathbf{l_{sa}}$$

$$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_s\wedge$$

$$D\geq\mathbf{n}<n\wedge I=Q5;\geq 0\wedge$$

$$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\quad j_{sa}=j_{sa}\quad 1\wedge$$

$$\mathbf{s}:\left\{j_{sa}^{s},\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right.$$

$$s\geq 4\wedge\mathbf{s}=s+\quad;\wedge$$

$$\mathbb{k}_z:z\geq 2\wedge\quad=\mathbb{k}_1+\quad\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}^{\dot{I}SO}=\left(\sum_{k=1}^{}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}\ \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l} \quad \mathbf{l_i})!}{(\mathbf{D} \quad \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\quad)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(D-}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(-)!}\Big)+$$

$$\Big(\sum_{(}^{(j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_i=}^{(j_i+j_s-1)}\ \sum_{(j^{sa}=}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_{ik}=10;+Q5;}^{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \quad +}$$

$$\sum_{\mathrm{k}} \sum_{(\mathrm{j_s}=2)}^{(\mathbf{l_s})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_{ik}}-\mathbf{l}} \sum_{(\mathrm{j_{sa}}=\mathbf{l_{ik}}+\mathbf{n}+\mathrm{j_{sa}}} \sum_{\mathrm{j_i}=\mathbf{l_s}+\mathrm{s}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}$$

$$\sum_{\mathrm{j_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} - 2)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{}\ \sum_{(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik})}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})}\ \sum_{j_i=}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+}^{n_{is}+j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}+}^{(n_{ik}+j_{ik}-\mathbb{k}_2)}\ \sum_{}^{n_{sa}+j^{sa}-}$$

$$\sum_{}^{}\ \sum_{}^{\mathbf{n}-j_i+1}$$

$$\frac{-n_{is}-1)!}{-2)!\cdot(-n_{is}-j_s+1)!}\cdot$$

$$\frac{-n_{ik}-1)!}{-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{\mathbf{l_s}+s-1} \sum_{j_i=\mathbf{l_i}+\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D\ j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s}$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}$

$j^{sa} =$

$\mathbf{l}$

D

$D \geq \mathbf{n}$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge$

$\mathbf{s}$:

$s \geq 4 \wedge \mathbf{s}$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{jso}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s + 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - 1)! \cdot (\mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ \ )} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_{sa} + j_i - j^{sa} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_{ik}} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{ik}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j^{ik}_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_{ik}}+j_{sa}-j^{ik}_{sa})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-j_{sa})!\cdot(j^{sa}+j_{sa}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D+\mathbf{n}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{\quad}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}}\ \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\ldots}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ldots)}$$

$$\ldots+j_{sa}-j_{sa}^{ik})$$

$$\sum_{j_{ik}=j^{sa}+j_s-\ldots}\ \sum_{(j^{sa}=\ldots+j_{sa}-D-s)}\ \sum_{j_i=\ldots-\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\ldots-j_s+1)$$

$$\sum_{n_i=\ldots;+Q5;}\ \sum_{(n_{is}=\mathbf{n}+\ldots+j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\ldots_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \ldots n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j_{i\ldots} j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$\ldots j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s > \mathbf{l_{sa}} \wedge$

$D+s-\mathbf{n} < \mathbf{l_i} \leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \ge 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ \ )} \sum_{(j_s \ldots_k + \mathbf{l_s} - \mathbf{l_{ik}})} \right.
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}\ldots-D-s)}^{(\mathbf{l_{ik}}+j_{sa}-\ldots)} \sum_{j_i=j^{sa}+s\ldots}
$$

$$
\sum_{n_i=Q\ldots+Q5;}^{n} \sum_{(n_{is}\ldots-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}\ldots}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{\ldots-j_{ik}+1}^{\ldots}
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}\ldots-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{\mathbb{k}_2-j_{ik}+1}$$

$$(n_{ik}+j \quad \mathbb{k}_2)\ n_s \quad j^{sa}-j_i$$

$$\sum_{(n_{sa} \quad j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i - n \quad - 1)!}{(j_s \quad 2)! \quad n \quad j_s + 1)!} \cdot$$

$$\frac{(n_{is} \quad n_{ik} - 1)!}{(j_{ik} - j_s \quad 1)! \cdot (n \quad + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n \quad - n_{sa} - 1)!}{(j \quad - j_{ik} - 1)! \quad (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa} - \mathbf{l_{ik}} - j_{sa}^{ik})!}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} \quad j_{sa} - \mathbf{l_{sa}} - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(\quad + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}^{} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{l_{ik}} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}^{}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}^{}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}^{}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq \mathrm{D} - \mathbf{n} + 1 \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} + \mathrm{s} - \mathbf{n} < \mathbf{l_i} \leq \mathrm{D} + \mathbf{l_{ik}} + \mathrm{s} - \mathbf{n} - \mathrm{j_{sa}^{ik}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} = \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}S^{\mathrm{İSO}}_{\Rightarrow \mathrm{j_s}\ ,\mathrm{j_{ik}}\ ,\mathrm{j_i}} = \sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{=\mathrm{j_{sa}^{ik}}+1}^{\mathrm{a}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}^{(\mathbf{l_s}+\mathrm{j_{sa}}-1)} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})\ j_i} \sum_{\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\text{10;+Q5; }(n_{is}=} \sum_{\mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{(n_i-j_s+} \sum^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{-j_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}}^{(\mathbf{l_s}+\mathrm{j_{sa}}-1)}\sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}\sum_{\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_{\mathrm{z}}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_{sa}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}+\mathrm{j_{ik}}-\mathrm{j_{sa}})}^{(\ )}\sum_{\mathrm{n_s}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j_{sa}}-\mathrm{I}-\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^s})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!(\mathrm{n_s}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} \geq 1 \wedge \mathbf{l_s} \leq \mathrm{D} - \mathbf{n} + 1 \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} + \mathrm{j_{sa}^{ik}} + 1 \leq \mathrm{j_i} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_i} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \leq \mathrm{j^{sa}} + \mathrm{s} - 1 \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} + \mathrm{s} - \mathbf{n} - 1 \leq \mathrm{D} + \mathbf{l_i} + \mathrm{s} - \mathbf{n} - 1 \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^i} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^s} = \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbb{k}_{\mathrm{z}} \in \{\mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^i}\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_{\mathrm{z}} : \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}
$$

$$
\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i}^{(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s-j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_i - n_{ik} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j^{sa} - j_i - 1)! \cdot (n_{sa} + j_i - n_s - j^{sa})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{( )} \right.$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{j^{sa} + j^{ik}_{sa} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{l_s} + j_{sa} - 1)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right)$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-j_{sa})!\cdot(j^{sa}+j_{sa}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D+\mathbf{n}-\mathbf{l_i}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}-1}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot\ldots-j_i)!}\Bigg)$$

$$\left(\sum_{k=1}^{\ldots}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ldots}^{\ldots}\right.$$

$$\sum_{j_{ik}=\ldots+1}^{j^{sa}+j_s^{\ldots}}\ \sum_{(\ldots=\mathbf{l_{sa}}+\mathbf{n}-D)}^{j_{sa}+\ldots-D-\ldots)}\ \sum_{j_i=\ldots+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_{\ldots}=10;+Q5;}^{\mathbf{n}}\ \sum_{(n_{is}=\ldots-j_s+1)}^{(n_i-j_s+1\ldots}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{\ldots_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}}}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_{sa}^{ik}}+1}^{\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}}^{(\mathbf{l_s}+\mathrm{j_{sa}}-1)} \sum_{\mathrm{j_{sa}}+1}^{\mathbf{n}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+Q}}^{\mathrm{n}} \sum_{\mathrm{j_i}+1)}^{(\mathrm{n_i}-\mathrm{j_s}} \sum_{\mathrm{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}}$$

$$\sum_{(\mathrm{n_{sa}}=}^{\mathrm{j_k}+\mathrm{j_{ik}}-\mathrm{j^{sa}}} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}})!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j^{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j^{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j^{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j^{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}})!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j^{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}}^{} \sum_{}^{\mathbb{k}_2)} \sum_{n_s}^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}}^{} \sum_{}^{isa+1)} \sum_{n_s=\mathbf{n}-j_i}^{}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_s}+j_{sa}-1)} \left(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}^{(n_i-j_s+1)}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - I - j_s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-)! \cdot (j_s-2)!}$$

$$\frac{(D}{(D+ - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - = \mathbf{l_{ik}} \wedge \mathbf{l_i} + sa - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq + \mathbf{l_{sa}} + s - \mathbf{n} - \wedge$

$D > \mathbf{n} < n \wedge = Q5; \geq \wedge$

$j_{sa} < j_{sa}^{i} - 1 \wedge j_{sa}^{ik} sa - 1 \wedge s - j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots a\} \wedge$

$s \geq 4 \wedge \mathbf{s} = Q5; \wedge$

$\mathbb{k}_2 = \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{ISO} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \left(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} \quad - j_{sa}^{ik} \quad}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{j_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \sum_{(j^{sa} = \mathbf{l_{ik}} + \mathbf{n} + j_{sa} - D - j_{sa}^{ik})}^{(\mathbf{l_i} + \mathbf{n} + j_{sa} - D - s - 1)} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad-s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=2)}^{(\quad_{sa}^{ik}+1)}$$

$$\sum_{j_i=\quad}^{(\mathbf{l_s}\quad_{sa}-1)}\sum_{\quad+j_{sa}-D-s)}\quad\sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{\quad Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\quad)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(\mathrm{j_{ik}}=\quad+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\quad+\mathrm{j_{sa}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}})}\sum_{(\quad=\mathbf{l_s}+\mathrm{j_{sa}})}^{\mathbf{n}}\sum_{\mathrm{j_i}=\quad-\mathrm{j_{sa}}+1}^{\mathbf{n}}$$

$$\sum_{\quad Q10;+Q5;}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\quad-\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+\quad)}\sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\quad_{\mathrm{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

$$\sum_{k=1}^{(\ \ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)}\sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-}\sum_{-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(}\sum_{+1)\ n_{ik}}\sum_{+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}+j_{ik}-j}^{(\ \ )}\sum_{-\mathbb{k}_2)\ n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}\ \ j^{sa}-s-I-j_{sa}^s)!}{(n_i-\mathbf{l}\ \ I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}\ \ 1\wedge\mathbf{l_s}\ \ -\mathbf{n}+\ \ \wedge$

$1\leq\ \ \leq j_{ik}-j_{sa}^{ik}+\ \ j_s+j_{sa}^{ik}\ \ 1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+\ \ -s\wedge j^{sa}+\ \ -j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\ \ +1>\ \ _{sa}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}\ \ \mathbf{l_i}\leq D+\mathbf{l_s}+s-\mathbf{n}-1\wedge$

$\ \ >\mathbf{n}<\ \ \wedge I=Q5;\geq 0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$

$\mathbf{s}:\{j_{sa}^{s},\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s\geq 4\wedge\mathbf{s}=s+Q5;\wedge$

$\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{}^{\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_3)\ n_s} \sum_{}^{j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \left(\sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}\right.$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is}}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}\cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}\cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}\cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}\cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ !}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \ \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}}$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j_s^{ik} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \ j_{sa} = j_{sa}^{ik} \ 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\}$

$s \geq 4 \wedge \mathbf{s} = s + \ ; \wedge$

$\mathbb{k}_z : z = 2 \wedge \ = \mathbb{k}_1 + \ \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa})}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i})!}{(\mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{(j_s=\quad)}^{(\quad)}\sum_{(\quad=\mathbf{l_s}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}$$

$$\sum_{\mathbf{l_{ik}}}^{(\quad)}\sum_{(\quad=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s\ (\quad=j_{ik}+j_{sa}-j_{sa}^{ik})\ j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=10;+Q5;}^{(n_i-\quad1)}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<\quad\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa}\wedge$

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$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} = \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{\mathrm{fz}}\mathrm{S}^{\mathrm{iSO}}_{\Rightarrow \mathrm{j_s}\,,\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{(\,)} \sum_{(\mathrm{j_s}=\mathrm{j}} \right.
$$

$$
\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{D}-\mathrm{s}-1 \quad (\mathbf{l_{sa}})
$$

$$
\sum \quad \sum \quad \sum
$$

$$
\mathrm{j_{ik}}=\mathrm{j_s^{ik}} \quad (\mathrm{j^{sa}}=\mathbf{l_{sa}}+\mathbf{n}\ldots) \ \mathrm{j_i}=\mathrm{j^{sa}}+\mathrm{s}-\mathrm{j_{sa}}
$$

$$
-\mathrm{j_s}+1) \qquad \mathrm{j_{ik}}-\mathbb{k}_1
$$

$$
\sum \quad \sum \quad \sum
$$

$$
\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q}\ldots \mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\ldots 1) \ \mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1
$$

$$
\mathrm{j_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2) \ \mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}
$$

$$
\sum \quad \sum
$$

$$
\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1) \quad \mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1
$$

$$
\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot
$$

$$
\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot
$$

$$
\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot
$$

$$
\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot
$$

$$
\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot
$$

$$
\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot
$$

$$
\frac{(\mathbf{l_{sa}}+\mathrm{j_{sa}^{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}})!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j^{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot
$$

$$
\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}_{k_2}-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}-j^{sa}-j_i$$

$$\sum_{(n_{sa}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{sa}}+s-j_{sa}+1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa})}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ \ )} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j_{sa}^{ik} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s\ ,j_{ik}\ ,j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ \ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_i=\mathbf{l_i}+\mathbf{n}-j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}-j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{-D-s\ (j^{}}^{(\mathbf{n}+j_{sa}-s)} \sum_{+j_{sa}-j_{sa}^{ik})\ j_i}^{} \mathbf{l_i}-\mathbf{l_{sa}}$$

$$\sum_{10;+Q5;\ (n_{is}=}^{n} \sum_{\mathbb{k}-j_s+1)}^{(n_i-j_s+} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{} \sum_{}^{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{} \sum_{}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{D}-\mathrm{s}}^{\mathbf{l_s}+\mathrm{j_{sa}^{ik}}-1}\ \sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}^{(\ )}\ \sum_{\mathrm{j_{sa}}=\mathrm{j_{sa}^{ik}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_{\mathrm{z}}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\ \sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}}\ \mathbb{k}_1$$

$$\sum_{(\mathrm{n_{sa}}=}^{(\ )}\ \sum_{+\mathrm{j_{ik}}-\mathrm{j}}\ \sum_{+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\ +\mathrm{j_{sa}}-\ -\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^{s}})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!\ +\mathrm{j_s}+\ -\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathbf{l_s}>\ \wedge\mathbf{l_s}\leq\mathrm{D}-\mathbf{n}\ \wedge$

$1\leq\mathrm{j_s}\leq\mathrm{j_{ik}}\ \mathrm{j_{sa}^{ik}}+1\wedge\ +\mathrm{j_{sa}^{ik}}-1\leq\mathrm{j_{ik}}\leq\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}\wedge$

$\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}\ \mathrm{j_{sa}}+\mathrm{s}-\ \leq\ \leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j_s}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}\ \mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}+\mathrm{s}-\mathbf{n}<\ \leq\mathrm{D}+\ +\mathrm{s}-\mathbf{n}-1\wedge$

$\mathrm{D}>\ \ \mathrm{n}\wedge\mathrm{I}=\mathrm{Q5};\geq 0\wedge$

$\mathrm{j_{sa}}\leq\mathrm{j_{sa}^{i}}-\ \wedge\mathrm{j_{sa}^{ik}}=\mathrm{j_{sa}}-1\wedge\mathrm{j_{sa}^{s}}=\mathrm{j_{sa}^{ik}}-1\wedge$

$\mathbf{s}:\{\ \ -1,\mathrm{j_{sa}^{ik}},\mathbb{k}_2,\mathrm{j_{sa}},\cdots,\mathrm{j_{sa}^{i}}\}\wedge$

$\mathrm{s}\geq 4\wedge\mathbf{s}=\mathrm{s}+\mathrm{Q5};\wedge$

$\mathbb{k}_{\mathrm{z}}:\mathrm{z}=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\ \ +1)}^{(n_{ik}+j_{ik}\ \ \ )} \sum_{n_s=\mathbf{n}-j_i}^{n_s\ \ \ -j^{sa}-j_i}
$$

$$
\frac{(n_{\cdot}-n_{is}-1)!}{(j_s-2)!\cdot(\ \ \ \ \ \ \ \ j_s+1)!}\cdot
$$

$$
\frac{(n_{is}\ \ \ n_{ik}-1)!}{(j_{ik}-j_s\ \ 1)!\cdot(n_{i}\ \ \ j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{i}\ \ -n_{sa}-1)!}{(j^{sa}\ \ j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot
$$

$$
\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot
$$

$$
\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$ {}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{\mathbf{l_i} + \mathbf{n} + j^{ik}_{sa} - D - s - 1} \sum_{(j^{sa} = \mathbf{l_{sa}} + \mathbf{n} - D)}^{(\mathbf{l_{sa}})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right)$$

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$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\quad)!}{(\mathbf{l_s}-j_s-\quad-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\quad)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}-\quad)!\cdot(j^{sa}+\quad-j_{ik}-j_{sa})!}$$

$$\frac{(D-\quad)!}{(D+j_{\quad}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{\quad}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=\mathbf{l}}^{\mathbf{l_s}+j_{sa}^{ik}-\quad}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot\quad-j_i)!}\Bigg)$$

$$\sum_{k=1}^{\quad}\Bigg(\sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad}$$

$$\sum_{j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_s}\ \sum_{(j_i+j_{sa}-\quad}\ \sum_{sa=\mathbf{l_{sa}}+\mathbf{n}-D)\ j_i}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{}^{n}\ \sum_{(n_i-j_s+1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$n_i\ 10;+Q5;\ (n_{is}=\quad\mathbb{k}-j_s+1)$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_i}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}}\ \sum_{}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q}^{n}\ \sum_{(n_i-j_s}\ \sum_{n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=}\ \sum_{n_s=\mathbf{n}-j_i+1}^{j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s^{j^{sa}-j_i}}$$

$$\sum_{(n_{sa}=}^{n_{isa}+1)} \sum_{n_s=\mathbf{n}-j_i}^{}$$

$$\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-\quad-I-j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-\quad-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\quad)!\cdot(j_s-2)!}$$

$$\frac{(D-\quad}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \quad = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \quad sa - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq \quad + \mathbf{l_{sa}} + s - \mathbf{n} - \quad \wedge$

$D \quad \mathbf{n} < n \wedge \quad - Q5; \geq \quad \wedge$

$j_{sa} \quad j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \quad a - 1 \wedge \quad j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \mathbb{k} \quad ^{ik}_{a}, \mathbb{k}_2, j_{sa}, \cdots \quad a\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s \quad Q5; \wedge$

$\mathbb{k}_{2} \quad = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} \quad - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{j_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{+\mathbf{n}+j_{sa}^{ik}-D-s-1} \quad \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \quad \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\quad)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad!\cdot(j_i+j_{sa}\quad-s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=2)}^{(\quad_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}\quad+\mathbf{n}+j_{sa}^{ik}}^{j_{sa}^{ik}-1}\quad\sum_{j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)}\quad\sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{Q10;+Q5;}^{n}\quad\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\quad\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\quad\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s}$$

$$\sum_{j_{ik}}^{\mathbf{l_{ik}}}\sum_{+j_{sa}^{ik}}^{(\quad)}\sum_{(j^{sa}}^{\mathbf{n}}\sum_{+\mathbf{l_{sa}}-\mathbf{l_{ik}})\,j_i-}\sum_{j_{sa}+1}$$

$$\sum_{}^{n}\sum_{Q10;+Q5;\,(n_{is}=}^{(n_i-j_s+}\sum_{\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{sa}+j^{sa}-j_i}\sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{l_s} + j_{sa}^{ik} - 1} \sum^{(\ )} \sum \quad (j^{sa} = j_{ik} + \mathbf{l_{sa}} - \quad - j_{sa}$$

$$\sum^{n} \sum^{(n_i - j_s + 1)} \sum \quad n_{ik} = \quad + j_s - j_{ik} - \mathbb{k}_1$$

$$\sum^{(\ )} \sum \quad (n_{sa} \quad + j_{ik} - j^{s} \quad) \; n_s = n_{sa} + j^{sa} - j_i$$

$$\frac{n_i + j_s + j_{sa} \quad ^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} \quad I)! \cdot (\mathbf{n} - \quad _s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} \quad 1 \wedge \mathbf{l_s} \leq \quad - \mathbf{n} + \quad \wedge$

$1 \leq j_{sa} < j_{ik} - j_{sa}^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \quad + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$\mathrm{D} + \mathrm{s} - \mathbf{n} \quad \mathbf{l_i} \leq \mathrm{D} + \mathbf{l_s} + \mathrm{s} - \mathbf{n} - 1 \wedge$

$\quad \mathbf{n} \quad \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{\mathbf{n}+\mathbb{k}}^{n_{is}-j_{ik}-\mathbb{k}_1} \sum_{j_{ik}+1}
$$

$$
\sum_{(n_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+}^{} \sum_{j_i}
$$

$$
\sum_{=\mathbf{n}-j^{sa}}^{} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)\ (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)\cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(\quad - n_{sa} - 1)!}{{}^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_{sa} - 1)! \cdot (n_{is} + j_{sa} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-1-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \quad}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \quad \wedge \mathbf{l_i} + j_{sa} \quad s = \mathbf{l_{sa}}$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j^{ik}_s \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \quad j_{sa} = j^{ik}_{sa} \quad 1 \wedge$

$\mathbf{s}: \{j^s_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}$

$s \geq 4 \wedge \mathbf{s} = s + \quad \wedge$

$\mathbb{k}_z : z = 2 \wedge \quad = \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa} - \mathbf{l_{ik}} - j_{sa}^{ik})!}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i})!}{(\mathbf{D} \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - D - s + 1)}$$

$$\sum_{j_{ik} = j_s + \mathbf{l_{ik}} - \mathbf{l_s}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; +Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=} \sum_{(D-s+1)}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j_{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

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$$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{=2)}^{\mathbf{i}+\mathbf{n}-D-s} \right.
$$

$$
\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-} \sum_{-\mathbf{l_i}+\mathbf{n}+j_{sa}-} \sum_{j_i=j^{sa}+s-j_{sa}}
$$

$$
\sum_{n_i=j_s+} \sum_{n_{is}-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_i=Q10;+Q} \sum_{n_{is}=\mathbf{n}+\mathbb{k}} \sum_{+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}
$$

$$
n_{ik}+j_{ik}-j \quad -\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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$$\sum_{k=1}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_a) \; n_s^{j^{sa}-j_i}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{sa} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=2)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{sa}}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{sa}+j_i-j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{ik}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(j_i + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - D - s + 1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{\mathbf{n}} j_i=j^{sa}+s-j_{sa}+1$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} -$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa}$$

$$\frac{}{(n_s +$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s}$$

$$\frac{(\mathbf{l_{sa}} + j_{s}$$

$$\frac{(\mathbf{l}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - D - s + 1)}$$

$$\sum_{j_{ik} = j_s + \mathbf{l_{ik}} - \mathbf{l_s}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ )} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq \mathrm{D} - \mathbf{n} + 1 \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} + \mathrm{s} - \mathbf{n} < \mathbf{l_i} \leq \mathrm{D} + \mathbf{l_{ik}} + \mathrm{s} - \mathbf{n} - \mathrm{j_{sa}^{ik}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; \geq 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} = \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} \geq 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}S_{\Rightarrow \mathrm{j_s}}^{\dot{\mathrm{I}}\mathrm{SO}}{}_{,\mathrm{j^{sa}},\mathrm{j_i}} = \sum_{\mathrm{k}=1} \sum_{(\mathrm{j_s}=2)}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})}$$

$$\sum_{\mathrm{j_i}} {}_{\mathbf{s}+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}^{(\mathbf{n}+\mathrm{j_{sa}}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{1\,(j_s=\mathbf{l_i}+\mathbf{n}-D-1)}^{(\quad)}\ \sum$$

$$\sum_{j_{ik}}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{\mathbf{l_{ik}}-\mathbf{l_s}\ (j_{ik}+j_{sa}-j_{sa}^{ik})}^{\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{Q10;+Q5;\,(n_{is}=}^{n}\ \sum_{\mathbb{k}-j_s+1)}^{(n_i-j_s+}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{{}_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{l_s})}\sum_{(\mathrm{j_s}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s}+1)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\ )}\sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}\sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=Q10;+Q5;}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+}^{-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}-}^{(\ )}\sum_{+\mathrm{j_{ik}}-}\sum_{+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\quad+\mathrm{j_{sa}}-\quad-\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^{s}})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!\quad+\mathrm{j_s}+\quad-\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathbf{l_s}\quad1\wedge\mathbf{l_s}\leq\mathrm{D}-\mathbf{n}\quad1\wedge$

$1\leq\mathrm{j_s}\leq\mathrm{j_{ik}}\quad\mathrm{j_{sa}^{ik}}+1\quad+\mathrm{j_{sa}^{ik}}-1\leq\mathrm{j_i}\leq\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}\wedge$

$\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}\quad{}^{sa}+\mathrm{s}\quad\leq\quad\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j}\quad+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}\quad\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}+\mathrm{s}-\mathbf{n}\quad1\leq\mathrm{D}+\mathbf{l}\quad+\mathrm{s}-\mathbf{n}-1\wedge$

$\mathrm{D}\geq\quad\mathrm{n}\wedge\mathrm{I}=Q5;\geq0\wedge$

$\mathrm{j_{sa}}\leq\mathrm{j_{sa}^{i}}-\quad\wedge\mathrm{j_{sa}^{ik}}=\mathrm{j_{sa}}-1\wedge\mathrm{j_{sa}^{s}}=\mathrm{j_{sa}^{ik}}-1\wedge$

$\mathbf{s}\quad1,\mathrm{j_{sa}^{ik}},\mathbb{k}_2,\mathrm{j_{sa}},\cdots,\mathrm{j_{sa}^{i}}\}\wedge$

$\mathrm{s}\geq4\wedge\mathbf{s}=\mathrm{s}+Q5;\wedge$

$\mathbb{k}_z\colon\mathrm{z}=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

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$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s} \sum^{j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{}}{(j_s - 2)! \cdot (} \cdot \frac{-1)!}{n_{} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}\cdot$$

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$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} -} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} -)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} - \mathbf{l_i})!}{\mathbf{n} - \mathbf{n} - \cdot (\mathbf{n} - j_i)!}$$

$$\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=} \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}^{(\mathbf{l_{sa}})}$$

$$\sum_{Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\cdot\Bigg)+$$

$$\left(\sum_{k=1}^{\quad}\sum_{\quad=2)}^{j_i+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=}^{\quad+j_{sa}-s-1)}\sum_{\quad-\mathbf{l_s}\ (j^{sa}=\mathbf{l_{sa}}}\sum_{\quad-D)\ j_i=\mathbf{l_i}+\mathbf{n}-D}^{\quad-j_{sa}}$$

$$\sum_{n_i=Q10;+}^{n}\sum_{\quad(n_{is}=\mathbf{n}+\mathbb{k}_{\quad}+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{(n_i-j_s}\sum_{n_{is}}^{\quad-j_{ik}-\mathbb{k}_1}$$

$$\sum_{\quad(n_{ik}+j_{ik}-\quad-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}$$

$$\sum_{\quad sa=\mathbf{n}-j^{sa}+1)}\ \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})}\sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})}\sum_{(\mathrm{j^{sa}}=\mathbf{l_{sa}}+\mathbf{n}-\mathrm{D})}^{\mathbf{n}}\sum_{\mathrm{j_i}=\mathrm{s}-\mathrm{j_{sa}}+1}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathbb{k}_1}^{\mathrm{n_{is}}+\mathrm{j_{ik}}-\mathbb{k}_1}\sum_{\mathrm{n_{sa}}=\mathbb{k}_2}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathbb{k}_2)}\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j_i}+1)}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathbf{n}+\mathrm{j_i}-1}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_i}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{ik}}-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}})!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j_{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+\mathrm{j_{sa}^{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}})!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j^{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j^{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j^{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{\mathbf{n}} j_i=j^{sa}+s-j_{sa}+1$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}_{k_2}-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{ik}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\ )} \left(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\quad -j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}\quad -j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}\quad)!\cdot(j_s-2)!}$$

$$\frac{(D\quad}{(D\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \quad = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \quad sa - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq \quad + \mathbf{l_{sa}} + s - \mathbf{n} - \quad \wedge$

$D \quad \mathbf{n} < n \wedge \quad = Q5; \geq \quad \wedge$

$j_{sa} \quad j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \quad j_{sa} - 1 \quad j_{sa}^{s} \quad j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \quad j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots \quad a\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad Q5; \wedge$

$\mathbb{k}_2 \quad = \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \left(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}}\right)^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j_i-1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{j_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_{ik}} + \mathbf{n} - D - j_{sa}^{ik})} \right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad!\cdot(j_i+j_{sa}\quad-s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad=1}^{\quad}\ \sum_{(j_s=2)}^{(\quad-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}}^{\mathbf{l_{ik}}}\ \sum_{(\quad)}^{(\quad)}\ \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum_{\quad}^{\mathbf{n}}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\quad Q10;+Q5;$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=}^{(\mathbf{l_s})}\sum_{=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}}^{}$$

$$\sum_{j_{ik}+j_{sa}^{ik}-1}^{j_i+j_{}^{}}\ \sum_{(\quad)=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{}\ \sum_{j_i+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_{i}10;+Q5;\,(n_{is}=}^{n}\ \sum_{\mathbb{k}-j_s+1)}^{(n_i-j_s+1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\ \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-}^{(\ )}\ \sum_{+s}^{\mathbf{n}}{}_{sa}^{ik}+1$$

$$\sum_{n_i=Q10;+Q}^{n}\ \sum_{i}^{(n_i-j_s}\ \sum_{+1)\ n}^{n_{is}+j_s-j_{ik}}{}_{n+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{}\ \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad j^{sa} - s \quad I - j_{sa}^s)!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + 1) \quad j^{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \quad - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + \quad - \mathbf{n} < \mathbf{l_i} \leq D \quad \mathbf{l_s} + s \quad 1 \wedge$

$D \geq \mathbf{n} \quad \wedge I = Q5; \geq \quad \wedge$

$j_{sa} \leq j \quad - 1 \quad - \quad - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \quad , \mathbb{k}_1 \quad , \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s \geq 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{iSO} = \sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{i}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{} - 1)!}{(j_{ik} - \cdot (n_{is} + - n_{ik} - j_{ik})!}$$

$$\frac{(n_{} - n_{sa} - }{(j^{sa} - - 1)! \cdot + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_{} - 1)!}{(j_i - j^{sa} - \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_{sa} + j_i - n_s - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{\mathbf{l_{ik}}} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}^{}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j^{ik}_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; \geq 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} = j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s \geq 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{j^{sa} + j^{ik}_{sa} - j_{sa}} \sum^{(\ )}_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})} \sum_{j_i = \mathbf{l_{sa}} + \mathbf{n} + s - D - j_{sa}}^{\mathbf{l_{ik}} + s - j^{ik}_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_{s})!\cdot(j_{s}-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_{i})!}$$

$$\sum_{=1}^{)}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}+}^{\mathbf{l_{ik}}}\ \sum_{=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_{i}-n_{is}-1)!}{(j_{s}-2)!\cdot(n_{i}-n_{is}-j_{s}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_{s}-1)!\cdot(n_{is}+j_{s}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-j_{i})!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j}}\ \sum_{\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j}_{\mathrm{s}}}^{(\ )}\ \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_i}+\mathbf{l_{sa}}-\mathbf{l_i})}\ \sum_{\mathbf{l_{sa}}+\mathbf{n}+\mathrm{s}-\mathrm{D}-\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+Q5}}^{\mathrm{n}}\ \sum_{=\mathbf{n}+\mathbb{k}-\mathrm{j}}\ \sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{n_i}}^{(\ )}\ \sum_{\mathbb{k}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\ \sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}{(\mathrm{n_i}-\quad-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

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$$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$S_{z\Rightarrow j_s, j_{ik}, j^{sa}, j_{sa}, j_i}^{İSO} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - \quad}^{j^{sa} + j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}$$

$$\sum_{n_i = 10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{sa}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )}\sum_{(j^{sa}=j_{sa}+\mathbf{l_{sa}})\ j_i=\mathbf{l_i}+\mathbf{n}-D}^{}$$

$$\sum_{n_i=Q10;+Q5}^{n}\sum_{=\mathbf{n}+\mathbb{k}-}^{}\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{i}}^{(\ )}\sum_{-j^{sa}-\mathbb{k}_2)\ n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\quad-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}$ $\wedge\ \mathbf{l_s}>D-$ $+1\wedge$

$2\leq j_s\leq j_{ik}$ $+1$ $s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

j^{sa} j_i $_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+$ $=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

$\mathbf{s}$: $\left\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s>4\wedge\mathbf{s}=s+Q5;\wedge$

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$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.
$$

$$
\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{(\ )} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - I}^{\mathbf{n}}
$$

$$
\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s +}^{(n_i - j_s + 1)} \sum_{\mathbf{n} + \mathbb{k}}^{n_{is} - j_{ik} - \mathbb{k}_1} \sum_{j_{ik} + 1}^{}
$$

$$
(n_{ik} - j^{sa} - \mathbb{k}_2)\ n_{sa} + \sum_{}^{} j_i
$$

$$
\sum_{= \mathbf{n} - j^{sa}}^{} \sum_{n_s = \mathbf{n} - j_i + 1}^{}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.
$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{i}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_{} - 1)!}{(j_{ik} - j_s - + j_s - - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{} - n_{sa} - }{(j^{sa} - - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_{} - 1)!}{(j_i - j^{sa} - \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{( )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{( )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \quad - \mathbf{l_i})! \cdot (\mathbf{n} - \quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \quad j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge \quad < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^s_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \quad j_{sa}, \cdots, j^i_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j^{ik}_{sa}-D-1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_{sa} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_i}-\mathbf{l_{sa}})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \mathrm{D} - \mathbf{n} + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} > \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z : \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{c^{ISO}}_{\mathrm{j_{ik}},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}^{\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}} \sum_{\mathrm{j_{ik}}=\mathbf{l_s}+\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{D}-1}^{(\ )} \sum_{(\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s})}^{\mathbf{n}} \sum_{\mathrm{j_i}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}}^{\mathrm{n}} \sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}\right)$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}$$

$$\frac{(D+j_i}{(D+j_i}\left(\sum_{(j_s}^{(\ )}\right.+$$

$$\sum_{(j_s}^{(\ )}{}_{+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D}^{j^{sa}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{\ldots Q10;+Q5;}^{(n_{is}+1)}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{sa} - \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}-j_{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i - s)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;=\mathbf{n}+\mathbb{k}-j_{sa}}^{n} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}-\mathbb{k}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \quad - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} \quad \wedge \mathbf{l_s} > \mathrm{D} - \quad + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \quad + 1 \quad \mathrm{j_s} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j}^{\mathrm{sa}} \quad \mathrm{j_i} \quad - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + \quad > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5;} > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} < \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \cdots, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5;} \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{n}} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+}^{(n_i-j_s+1)} \sum_{-\mathbf{n}+\mathbb{k}}^{n_{is}\ -j_{ik}-\mathbb{k}_1} \sum_{j_{ik}+1}
$$

$$
(n_{ik} \quad -j^{sa}-\mathbb{k}_2)\ n_{sa}+ \quad -j_i
$$

$$
\sum_{=\mathbf{n}-j^{sa}} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)\ (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is}\ n_{ik} - \mathbb{k}_1 - 1)!}{(j_s - j_s - 1)! \cdot (n_{ik} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}
$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )}\left(\sum_{j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i}}^{\mathbf{n}}\right)_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\left(\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\right)_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\left(\sum\right)_{n_s=\ a+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\ -\mathrm{I}-j_{\ })!}{(n_i-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+j_{\ }+j_{sa}-j^{\ }\ \ j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}\ \ )!\cdot(j_s-2)!}$$

$$\frac{(D\ \ }{(D-\ -\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq \ + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s\ \ j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik}\ \ = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \ \ _{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \ \ > 0 \wedge$

$j_{\ } \leq j_{sa}^{l} - 1\ \ _{sa}^{ik} = j_{sa}\ \ 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}\ \ j_{sa}, \cdots, j_{s}\ \ \} \wedge$

$s > 4 \wedge\ \ = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge\ \ \mathbb{k}_1 + \ \ \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\left(\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}\right)\right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )}\left(\sum_{j^{sa}=j_i+j_{sa}-s}^{\mathbf{n}}\right)_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-\quad-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-\quad-1)!}{(\quad-j^{sa}-\quad)!\cdot(n_{sa}+j^{sa}-\quad-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\quad+j_i-\quad-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}\right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik})}^{\mathbf{n}} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l} \quad - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_s} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{(\quad)} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5;>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s}=s+Q5; \wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$fz^{S_{\Rightarrow j_s \cdots \mathbb{k}_z, j^{sa}, j_i}} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}-j_i)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{(j_{sa}=1)}^{(\ )}\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}^{ik}+1}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{n}}\sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{(n_i-1)}$$

$$\sum_{n_i=0;+Q5;}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{(\ )}\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5; > 0 \wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s \ \ _k+\mathbf{l_s}-\mathbf{l_{ik}})}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}\ \ -D-s)}^{(\mathbf{n}+j_{sa}-\ \ )} \sum_{j_i=j^{sa}+1\ \ a}
$$

$$
\sum_{n_i=\ \ +Q5;}^{n} \sum_{(n_{is}\ \ +\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}\ \ -j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik}\ \ j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j^{ik}_{sa}-j_{sa}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad j^{sa} - s \quad I - j^s_{sa})!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + \quad j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{- j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n}$ $\wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j \quad + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j^{ik}_{sa} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j^{i} \quad 1 \wedge j^{ik}_{sa} = j_{sa} \quad 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa} \dots, \mathbb{k}_1, \quad \mathbb{k} \quad \dots, j^{i}_{sa}\} \wedge$

$s \quad 4 \wedge s \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 2 \cdot \mathbb{k}_1 + j_s - 1 - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - j_{ik})}{(j^{sa} - 1)! \cdot (2 \cdot j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_s} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \mathrm{D} - \mathbf{n} + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}S_{\Rightarrow \mathrm{j_s}}^{\mathrm{iS}} \ldots \mathrm{j^{sa}, j_i} = \sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{ik}}=\mathbf{l_s}+\ldots-\mathrm{D}-1}^{\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ )!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\ \ (\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\ \ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ \ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_{sa}\ (j^{sa}=\ \ \mathbf{n}+j_{sa}-D-s)}\ \sum_{j_i=\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=}^{n}\ \sum_{0;+Q5;\ (n_{is}=\mathbf{n}+}^{(n_i-j_s+1)}\ \sum_{-j_s+1)\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\mathbf{n}+j_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq$ $\wedge\ n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik}$ $j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1} \sum^{(\ )} \right.
$$

$$
\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{s}}^{} \sum_{s}^{-j_{sa}}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{k}^{(n_i-j_s)} \sum_{n+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}}
$$

$$
\sum_{(n_{sa}=}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(- n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) +
$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}\ \ \mathbb{k}_a)}\ \sum_{n_s=\mathbf{n}-j_i}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{i}-1)!}{(j_s-2)!\cdot(\ \ \ \ \ \ \ \ j_s+1)!}\cdot$$

$$\frac{n_{is}-n_{ik}\ \ \mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ \ n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{i}-n_{sa}-1)!}{(j\ \ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{i}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{i} - n_{ik} - \mathbb{k}_{} - 1)!}{(j_{ik} - j_s - 1)! \cdot (j_{} - n_{} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)}{(j^{sa} - j_{} - 1)! \cdot (\quad + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j^{ik}_{sa}+1\wedge j_s+j^{ik}_{sa}-1\quad j_{ik}\leq j^{sa}+\quad-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\quad\wedge$$

$$\mathbf{l_{ik}}-j^{ik}_{sa}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j^{ik}_{sa}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}\quad j_{sa}-s=\mathbf{l_{sa}}$$

$$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$$

$$j_{sa}\leq j^{i}_{sa}-1\wedge j^{ik}_{sa}=j_{sa}-1\wedge\quad_s<j^{ik}_{sa}-1\wedge$$

$$\mathbf{s}:\left\{j^{s}_{sa},\cdots,\mathbb{k}_1,j^{ik}_{sa},\quad j_{sa},\cdots,j^{i}_{sa}\right\}\wedge$$

$$s\geq 4\wedge\mathbf{s}=\quad+Q5;\wedge$$

$$\mathbb{k}_z:z=2\wedge\mathbb{k}=\quad+\mathbb{k}_2\Rightarrow$$

$${}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}=\sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)}\ \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - [illegible] - j^{sa})!}$$

$$\frac{(n_{[illegible]} - n_s - [illegible])!}{(j_i - j^{sa} - 1)! \cdot [illegible] + j^{sa} - n_s - [illegible])!} \cdot$$

$$\frac{(n_s - [illegible] - 1)!}{[illegible] + j_i - [illegible] (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{[illegible] - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - [illegible]_s - j_{sa}^{ik} + 1)!}{(j_s - [illegible]\mathbf{l_{ik}} - j_{ik} - [illegible])! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$c_{j^{sa},j_i}^{\text{İSO}} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)} \right.$$

$$\sum_{(=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}})}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\left.\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot\right)$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s \cdots)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s \cdots j_{sa}^{ik}+1)!}\cdot$$

$$\left.\frac{(\cdots)!}{(D+j_i \cdots \mathbf{n}-\mathbf{l_i})!\cdot(\cdots)!}\right)+$$

$$\left(\sum \cdots \sum_{\cdots+\mathbf{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}\cdots^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}\ \sum_{(j^{sa}=\cdots\mathbf{n}+j_{sa}-D-j_{sa}^{ik})}^{(\mathbf{l_i}+\mathbf{n}+j_s\cdots D-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i\cdots 10;+Q5;}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(\cdots j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \quad +$$

$$\sum_{k=1}^{(\quad_k - j_{sa}^{ik} + 1)} \sum_{(j_s = \quad + \mathbf{n} - D)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(i \quad \mathbf{l_i}+\mathbf{n}+j_{sa}-D-\quad =j^{sa}+s-j_{sa}+1}^{} \sum$$

$$\sum_{n_i=Q10;+\quad}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}_1+1)}^{(n_i-j_s} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is} \quad -j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{ik}+j_{ik}-\quad -\mathbb{k}_2)}^{} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{sa}+j^{sa}-j_i} \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg) -$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)}\sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}\sum_{j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s}\sum_{\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(\ )}\sum_{+j_{ik}-j}\sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\quad+j_{sa}-\quad-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\quad+j_s+\quad-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \quad - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \quad j_{sa} + s - \quad \leq \quad \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_s \quad + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} \quad j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \quad = Q5; > \quad \wedge$

$j_{sa} \quad j_{sa} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k} \quad j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > \quad \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{i}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_{} - 1)!}{(j_{ik} - j_s - 2 \cdot \mathbb{k}_{} + j_s - \mathbb{k}_{} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{} - n_{sa} - }{(j^{sa} - j_{} - 1)! \cdot (2 \cdot \mathbb{k}_{} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_{s} - 1)!}{(j_i - j^{sa} - 2 \cdot \mathbb{k}_{} \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \geq j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge \quad < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \quad j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j^{ik}_{sa}-D-s-1}\ \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad)}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad \mathbf{l_i})!}{(\mathbf{D} \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{j_{sa}^{ik} - s} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{(j_s} \sum_{+\mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{\mathbf{n}+j_{sa}^{ik}} \sum_{} \sum_{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s\ (j_{ik}+j_{sa}-j_{sa}^{ik})\ j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s \ldots_k + \mathbf{l_s} - \mathbf{l_{ik}})} \right.
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \quad \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}-D-s)}^{(\mathbf{n}+j_{sa}\ldots)} \quad \sum_{j_i=j^{sa}+\ldots}
$$

$$
\sum_{n_i=Q\ldots+Q5;}^{n} \quad \sum_{(n_{is}\ldots\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \quad \sum_{\ldots-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}\ldots-j^{sa}-\mathbb{k}_2)} \quad \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{\ldots - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \ldots j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s^{j^{sa}-j_i}}$$

$$\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}$$

$$\frac{j_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(n_{sa}-j^{sa}-n_s+j_i-1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = \mathbf{l_s} + \mathbf{n} + j^{ik}_{sa} - D - 1}^{j^{ik}_{sa} - D - s - 1} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{=\mathbf{l_i}+\mathbf{n}+j}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})}^{\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+j_{sa}-\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-s}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-k)}^{(\ )}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{=\mathbf{n}+\mathbb{k}-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_i+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\quad-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}\ \wedge\mathbf{l_s}>D-\quad+1\wedge$

$2\leq j_s\leq j_{ik}-\quad+1\ \wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}-j_i+\quad-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+\quad=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

$\mathbf{s}$: $\left\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$s>4\wedge\mathbf{s}=s+Q5;\wedge$

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$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.
$$

$$
\sum_{j_{ik} = \mathbf{l_s} + \mathbf{n} + j^{ik}_{sa} - D - 1}^{\mathbf{l_i} + \mathbf{n} + j^{ik}_{sa} - D - s - 1} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + s - j_{sa}}
$$

$$
\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{\quad + \mathbb{k} - j_{ik} + 1}^{n_{is} - \quad - j_{ik} - \mathbb{k}_1}
$$

$$
\sum_{\quad = \mathbf{n} - j^{sa} - \quad}^{(n_{ik} \quad - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j \quad - j_i}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \quad - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \quad - j_s - 1)! \cdot (n \quad + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(\quad - n_{sa} - 1)!}{j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j^{ik}_{sa} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j^{ik}_{sa} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )}
$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i^{\ }-1)}{(j_s-2)!\cdot(n_i-n_{is}^{\ }+1)!}\cdot$$

$$\frac{(n_{\ }-n_{ik}-\mathbb{k}_{\ }-1)!}{(j_{ik}-j_s-1)!\cdot(\ +j_i-n_{\ }-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{\ }-n_{sa}-1)!}{(j^{sa}-j_{\ }-1)!\cdot(\ +j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{\ }\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{ik}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - [illegible])!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} [illegible] n_s - j_i)!} \cdot$$

$$\frac{[illegible] - 1)!}{(n_s + [illegible] - \mathbf{n} - 1) [illegible] - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} [illegible])! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{[illegible]} - \mathbf{l_{ik}} - j_{sa} [illegible]}{(j_{ik} + \mathbf{l_{sa}} - j_{[illegible]} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{([illegible] j_{sa} - \mathbf{l_{s}} [illegible] - s)!}{[illegible]^{sa} + \mathbf{l_i} - j_i - [illegible])! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ )} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \mathrm{D} - \mathbf{n} + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}\,S_{\Rightarrow \mathrm{j_s},\mathbb{k},\mathrm{j^{sa}},\mathrm{j_i}} = \sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j_{sa}^{ik}}+1)} \sum_{(\mathrm{j_s}=\mathbf{l_s}+\mathbf{n}-\mathrm{D})}$$

$$\sum_{\mathrm{j_{ik}}=\mathbf{n}+\mathrm{j_{sa}^{ik}}-\mathrm{D}-\mathrm{s}}^{\mathbf{n}+\cdots-\mathrm{s}} \sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-}^{(\quad)}\sum_{-D-s\ (j^{}+\mathbf{l_{sa}}-\mathbf{l_{ik}})\ j_i-}^{(\quad)}\sum_{+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{i}^{n}\sum_{-j_s+1)}$$

$$\sum_{n_i=}^{n}\sum_{+Q5;\ (n_{is}=\mathbf{n}+}\sum_{j_s+1)\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \quad n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_i \quad j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$\quad\quad j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-} \right.
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum^{(\ \ )} \sum \quad {}^{j_{sa}}_{-j_{sa}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum^{(n_i-j_s+} \sum^{n_{is}+j_s-j_{ik}} \quad {}^{+1)\ n_{ik}}_{+\mathbb{k}_2-j_{ik}+1}
$$

$$
{}^{+j_{ik}-j^{sa}-\mathbb{k}_2}_{(n_{sa}=\mathbf{n}} \sum^{+1)\ \ n_s=\mathbf{n}-j_i+1} \quad {}^{+j^{sa}-j_i}_{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) +
$$

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$$\left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}\right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\ \sum_{-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}}^{(n_{ik}+j_{ik}-j}\ \sum_{+1)}^{n_{sa}+j^{sa}-j_i}\ \sum_{n_s=\mathbf{n}-j_i}$$

$$\frac{-n_{is}-1)!}{(j_s-2)!\cdot(n_i-\ +1)!}\cdot$$

$$\frac{-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_i-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-} \sum_{=\mathbf{n}-j_i+1}$$

$$\frac{(n_i \qquad -1)}{(j_s-2)\ (n_i-n_{is} \qquad +1)!} \cdot$$

$$\frac{(n_{\cdot}-n_{ik}-\mathbb{k}_{\cdot}-1)!}{(j_{ik}-j_s-1\ (\ \cdot j_{\cdot}-n_{\cdot}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{\cdot}-n_{sa}-1)}{(j^{sa}-j_{\cdot}-1)!\cdot(\ +j_{ik}-n_{sa}-j^{sa})!} \cdot$$

$$\frac{n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^{s}_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$

$2\leq j_s\leq j_{ik}-j^{ik}_{sa}+1\wedge j_s+j^{ik}_{sa}-1\leq j_{ik}\leq j^{sa}+\quad-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\quad\wedge$

$\mathbf{l_{ik}}-j^{ik}_{sa}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j^{ik}_{sa}-j_{sa}\geq\mathbf{l_{ik}}\wedge\mathbf{l_i}\quad j_{sa}-s=\mathbf{l_{sa}}$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

$j_{sa}\leq j^{i}_{sa}-1\wedge j^{ik}_{sa}=j_{sa}-1\wedge\quad<j^{ik}_{sa}-1\wedge$

$\mathbf{s}:\{j^{s}_{sa},\cdots,\mathbb{k}_1,j^{ik}_{sa},\quad j_{sa},\cdots,j^{i}_{sa}\}\wedge$

$s\geq 4\wedge\mathbf{s}=\quad+Q5;\wedge$

$\mathbb{k}_z:z=2\wedge\mathbb{k}=\quad+\mathbb{k}_2\Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}=\sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)}\ \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j^{ik}_{sa}-D-s-1}\ \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + \quad^{ik} - \mathbf{l_{ik}} - \quad sa)!}{(j_{ik} \quad a - j^{sa} - \mathbf{l_{ik}} \quad (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\quad)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \mathrm{D} - \mathbf{n} + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{\mathrm{fz}}\mathrm{S}^{\mathrm{İSO}}_{\Rightarrow \mathrm{j_s}\ ,\mathrm{j_{ik}},\mathrm{j^{s}}} = \sum_{\mathrm{k}=1}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})} \sum_{(\mathrm{j_s}=\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{j_{sa}^{ik}}+1)}
$$

$$
\sum_{\mathrm{j_i}=\mathrm{s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{s})} \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}
$$

$$
\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}
$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{1}^{(\mathbf{n}-\cdot)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-\cdot)}$$

$$\sum_{j_{ik}=\cdot+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j_{ik}+j_{sa}-j_{sa}^{ik})}$$

$$\sum_{\cdot+Q10;+Q5;}^{n} \sum_{(n_{is}=\cdot-\mathbb{k}-j_s+1)}^{(n_i-j_s+\cdot)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{\cdot_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{n}-\mathrm{s}+1)}\sum_{(\mathrm{j_s}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s}+1)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}\sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}^{(\quad)}\sum_{\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+}\quad-\mathbb{k}_1$$

$$\sum_{(\mathrm{n_{sa}}-}^{(\quad)}\sum_{+\mathrm{j_{ik}}-}\quad)\,\mathrm{n_s}\sum_{+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\quad+\mathrm{j_{sa}}-\quad-\mathrm{s}-\mathrm{I}-\mathrm{j_{sa}^{s}})!}{(\mathrm{n_i}-\mathbf{n}-\mathrm{I})!\quad+\mathrm{j_s}+\quad-\mathrm{j^{sa}}-\mathrm{s}-\mathrm{j_{sa}^{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s}$ $\mathrm{D}-\mathbf{n}+1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}}$ $\mathrm{j_{sa}^{ik}}+1$ $+\mathrm{j_{sa}^{ik}}-1 \leq$ $\leq \mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}$ $^{\mathrm{sa}}+\mathrm{s}-$ $\leq$ $\leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-$ $+1=\mathbf{l_s} \wedge \mathbf{l_{sa}}$ $\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s} > \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n}$ $=\mathrm{Q5};\geq$ $\wedge$

$\mathrm{j_{sa}}$ $-1 \wedge \mathrm{j_{sa}^{ik}}=\mathrm{j_{sa}}-1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}}-1 \wedge$

$\mathbf{s}$: $\{\mathrm{j_{sa}^{s}},\cdots,\mathbb{k}$ $\mathrm{j_{sa}^{ik}},\mathbb{k}_2,\mathrm{j_{sa}},\cdots,\mathrm{j_{sa}^{i}}\} \wedge$

s $=\mathrm{s}+\mathrm{Q5};\wedge$

$\mathbb{k}_z: \mathrm{z}=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$${}_{\mathrm{fz}}S^{\mathrm{iSO}}_{\Rightarrow \mathrm{j_s},\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}}=\left(\sum_{\mathrm{k}=1}^{(\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s})}\sum_{(\mathrm{j_s}=\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{j_{sa}^{ik}}+1)}\right.$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

$$\frac{(n_{\cdot}-1)}{(j_s-2)\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-\cdot+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{\cdot}-n_{sa}-1)!}{(j^{sa}-1)!\cdot+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{\cdot}-1)!}{(j_i-j^{sa}-2)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-}{(\mathbf{l_s}-j_s}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\cdot(j^{sa}+}$$

$$\frac{(\mathbf{l_i}-\mathbf{l_{sa}}}{(j^{sa}+\mathbf{l}-j_i-\mathbf{l_{sa}}\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathbf{l}-\mathbf{l_i})!}{(\mathbf{D}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_s})! \cdot (j_i + j_{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(\mathbf{n} - \mathbf{l_i} - (\mathbf{n} - j_i)!}$$

$$\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\quad)}$$

$$\sum_{j_{ik}=} \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \sum_{k=1}^{(j_s - D - s)} \sum_{(j_s - D)} \sum_{j_{ik} = j_{ik} + \mathbf{l_{ik}} - \mathbf{l_s}}^{(\mathbf{n} + j_{sa} - \cdots + \mathbf{n} + j_{sa} - \cdots)} \sum_{i^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}^{(n_i - \cdots - 1)} \sum_{n_{is} + j_s - j_{ik} - \mathbb{k}_1}^{n} \sum_{n_i = Q10; + Q5;}^{(n_{is} + \cdots + \mathbb{k} - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{(\cdots + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_{sa} + j^{sa} - j_i}^{(n_{sa} = \mathbf{n} - j^{sa} + 1)} \sum_{n_s = \mathbf{n} - j_i + 1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\sum_{\mathrm{k}=1}^{}\sum_{(\mathrm{j_s}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s}+1)}^{(\mathbf{n}-\mathrm{s}+1)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{}\sum_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}^{(\mathbf{n}+\mathrm{j_{sa}}-\mathrm{s})}\sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;}+\mathrm{Q5;}}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\sum_{\mathrm{n_{ik}}=\mathbf{n}-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}-\mathrm{j_{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)}\sum_{\mathrm{n_i}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}-\mathbb{k}_3}$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_{sa}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+\mathrm{j_{sa}^{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}})!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j^{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{\mathrm{k}=1}^{}\sum_{(\mathrm{j_s}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}-\mathrm{s}+1)}^{(\mathbf{n}-\mathrm{s}+1)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\ )}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=}\ \sum_{j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\quad -j_s)!}{(n_i-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}\quad -j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\quad)!\cdot(j_s-2)!}$$

$$\frac{(D}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$

$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1<j_{ik}\leq j_{\quad}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-\quad>\mathbf{l_{ik}}\wedge\mathbf{l_i}+\quad_{sa}-s>\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge I=\quad>0\wedge$

$j_s\leq j_{sa}^{i}-1\quad_{sa}^{ik}=j_{sa}\quad 1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

$\mathbf{s}:\{i_s,\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_{\quad}a,\cdots,j_{sa}\quad\}\wedge$

$s>4\wedge\quad=s+Q5;\wedge$

$\mathbb{k}_z:z=2\wedge\mathbb{k}\quad\mathbb{k}_1+\quad_2\Rightarrow$

$$_{fz}S_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}^{\dot{I}SO}=\left(\sum_{k=1}^{}\ \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}\ \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+s-j_{sa}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad)}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(j_i+j_{sa}-s-1)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad -s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad}\ \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_s+\quad}\ \sum_{(j_{sa}+j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_{sa}-s)}\ \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{\quad Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\ldots-j_i)!}\Bigg)$$

$$\sum^{(\mathbf{n}-\ldots)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-\ldots)}$$

$$\sum_{j_{ik}=\ldots-\mathbf{l_{ik}}-\mathbf{l_s}} \sum^{(\ldots)} (j^{\ldots}+j_{sa}-j_{sa}^{ik})\, j_i \sum_{\ldots s-j_{sa}}$$

$$\ldots(n_i-j_s+1)$$

$$\sum^{n} \sum \sum_{n_i=\ldots;+Q5;\,(n_{is}=\mathbf{n}+\ldots+j_s+1)\,n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum^{(\ldots)} \sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\; n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\ldots_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \ldots n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{i\ldots} j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$\ldots j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik} = j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO} = \sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-}
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+}^{(\ )} \sum_{j_i=j^{s}}^{} \sum_{\mathbf{l_i}-\mathbf{l_{sa}}}^{}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{+\mathbb{k}-j_s+1)}^{(n_i-j_{}} \sum_{=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{}} \sum_{\mathbb{k}_1}^{}
$$

$$
\sum_{(n_{sa}-}^{+j_{ik}-} \sum_{isa}^{+j^{sa}-j_i} \sum_{+1)\ n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(\quad n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \quad j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}
$$

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$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i}{(j_s-2)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(}$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -$$

$$(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} -$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots$ $\wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s}^{İSO}{}_{,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)} \right.$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right)$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-\mathbf{l_s}-1)!\cdot(j_{ik}-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\ \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{k=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\quad-j_i)!}\Bigg)$$

$$\left(\sum_{\quad=1}^{(\mathbf{l_{ik}}+\mathbf{n}\quad D-j_{sa}^{ik})}\ \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-\quad}\right.$$

$$\sum_{j_{ik}=\quad+\mathbf{n}-D}^{j_i+j_{sa}^{ik}-1}\ \sum_{(j_i=\quad+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_i=\quad Q;+Q5;}^{n}\ \sum_{(n_{is}=\quad k-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \quad + \quad)!} \cdot$$

$$\sum_{k=1}^{(\mathbf{n}-\quad+1)} \sum_{(j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-\quad-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{\quad}}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j^{sa}=j_{ik}+\quad-\mathbf{l_{ik}})} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}\quad+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg) -$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}_{(}+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{s}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(\ )} \sum_{+j_{ik}-)} \sum_{+j^{sa}-j_i}$$

$$\frac{(n_i + \quad + j_{sa} - \quad - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \quad + j_s + \quad - j^{sa} - s - j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge \quad + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \quad {}^{sa} + s - \quad \leq \quad \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_s + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} \quad j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \quad = Q5; > \quad \wedge$

$j_{sa} \quad j_{sa} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k} \quad j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > \quad = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{İSO}} = \sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} + j^{sa} - n_s - j_i)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \quad - j^{sa})!}$$

$$\frac{(n_{\quad} - n_s - \quad}{(j_i - j^{sa} - 1)! \cdot \quad + j^{sa} - n_s \quad)!} \cdot$$

$$\frac{(n_s \quad 1)!}{\quad + j_i \quad - 1 \quad (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad s - j_{sa}^{ik} + 1)!}{(j_s \quad \mathbf{l_{ik}} - j_{ik} - \quad)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} \quad j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \quad - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)} \sum_{n_s=n_{sa}+j^{sa}-j_i}^{}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$ {}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{j^{sa} + j^{ik}_{sa} - j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})}^{(\ )} \sum_{j_i = \mathbf{l_{sa}} + \mathbf{n} + s - D - j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_i)!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-\quad)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\quad-j_{sa})!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad=1}^{\quad}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{\quad}$$

$$\sum_{\quad=j^{sa}+j_{sa}}^{\quad}\ \sum_{(j_{sa}=\quad+\mathbf{l_{sa}}-\mathbf{l_i})}^{\quad}\ j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=\quad;0;+Q5;}^{\quad}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{\quad}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}^{\quad}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

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$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa} j_i}^{\dot{I}SO} = \sum_{k=1}^{(} \sum_{(j_s=j_{ik}}^{\mathbf{l_{ik}})}
$$

$$
\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{}^{(\ )} \sum_{}^{\mathbf{n}} \sum_{}^{} \sum_{}^{-D-1\ (j^{} \mathbf{l_{sa}}-\mathbf{l_i})} \sum_{}^{} \sum_{}^{-D-j_{sa}}
$$

$$
\sum_{=Q10;+Q5;\ (n_{is}}^{n} \sum_{}^{(n_i-j_{}} \sum_{}^{+\mathbb{k}-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{{}_{k}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j^{ik}_{sa}-j_{sa}}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}\ j_i=\mathbf{l_{sa}}+\sum^{\mathbf{n}}_{+s-D-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)}\ n_{ik}=n_{is}+\sum_{-\mathbb{k}_1}$$

$$\sum^{(\ )}_{(n_{sa}+j_{ik}-)}\ n_s\sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\ +j_{sa}-\ -s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\ +j_s+\ -j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}\ \ D-\mathbf{n}+1\wedge$

$2\leq j_s\leq j_{ik}\ j^{ik}_{sa}+1\ +j^{ik}_{sa}-1\leq\ \leq j^{sa}+j^{ik}_{sa}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\ ;^{sa}+s\ \leq\ \leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\ +1>\mathbf{l_s}\wedge\mathbf{l_{sa}}\ j^{ik}_{sa}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\ =Q5;\geq\ \wedge$

$j_{sa}\ \ -1\wedge j^{ik}_{sa}=j_{sa}-1\wedge j^{s}_{sa}<j^{ik}_{sa}-1\wedge$

$\mathbf{s}:\{j^s_{sa},\cdots,\mathbb{k}\ j^{ik}_{sa},\mathbb{k}_2,j_{sa},\cdots,j^i_{sa}\}\wedge$

$s\ \ =s+Q5;\wedge$

$\mathbb{k}_z:z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i}=\sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \left(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i}\right) \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{(n_i-j_s+1)} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{=\mathbf{n}-j_i+1}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}}$$

$$\frac{(n_{i} - 1)}{(j_s - 2) \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - \ldots + j_s - \ldots - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} \ldots}{(j^{sa} - \ldots - 1)! \cdot \ldots + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_{\ldots} - 1)!}{(j_i - j^{sa} - \ldots) \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \left(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i}\right) \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{(n_i-j_s+1)}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ )!}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\ \wedge\mathbf{l_i}+j_{sa}\ s=\mathbf{l_{sa}}$$

$$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$$

$$j_{sa}\leq j_{sa}^{j}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1$$

$$\mathbf{s}:\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots\ j\wedge$$

$$s>4\wedge\mathbf{s}=s+Q5;\wedge$$

$$\mathbb{k}_z:z=2\wedge\mathbb{k}=\ +\mathbb{k}_2\Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO}=\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - \quad)!}{(\mathbf{l_s} - j_s) \quad - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_s + 1)!}{(j_s + \mathbf{l_{ik}} - \quad)! \cdot (j_{ik} \quad - j^{ik}_{sa} + 1)!}$$

$$\frac{(\mathbf{l_{sa}} + j_s \quad - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j_s \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j^{ik}_{sa} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1} \sum_{(j_s = j_{ik} - j^{ik}_{sa} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j^{sa} + j^{ik}_{sa} - j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})}^{(\ )} \sum_{j_i = \mathbf{l_{sa}} + \mathbf{n} + s - D - j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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$$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO_{fz}} = \sum_{k=1}^{(\quad)} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{j^{sa} + j_{sa}^{ik}} \sum_{j^{sa} = \mathbf{l_{sa}} + \mathbf{n} - D)}^{(\mathbf{n} + j_{sa}^{\quad})} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j}^{\mathrm{s}}+\mathbf{l_s}-\mathbf{l_{ik}})}^{}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}}^{(\mathrm{n}+\mathrm{j_{sa}}-\mathrm{s})}\sum_{(\mathrm{j}^{\mathrm{sa}}=\mathbf{l_{sa}}+\mathrm{D})}^{}\sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5}}^{\mathrm{n}}\sum_{\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{}\sum_{\mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}^{}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{n_{ik}}}^{(\ )}\sum_{\mathbb{k}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}{(\mathrm{n_i}-\quad-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n}$ $\wedge\ \mathbf{l_s} > \mathrm{D} -$ $+ 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}}$ $^{\mathrm{ik}} + 1$ $_{\mathrm{s}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

j^{sa} $\mathrm{j_i}$ $_{\mathrm{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} +$ $= \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} < \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \cdots, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}
$$

$$
\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_s}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \sum_{\mathbf{n}+\mathbb{k}}^{n_{is}-j_{ik}-\mathbb{k}_1} \sum_{j_{ik}+1}
$$

$$
\sum_{(n_{ik}-j^{sa}-\mathbb{k}_2)}^{} \sum_{n_{sa}+}^{} \sum_{j_i}
$$

$$
\sum_{=\mathbf{n}-j^{sa}}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}
$$

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$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} \quad - j_s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j \quad + j_{sa} - j^{sa} \quad - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(D}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 < j_{ik} \leq \quad + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \quad j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} \quad = \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad _{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \quad > 0 \wedge$

$j_s \leq j_{sa}^{i} - 1 \quad _{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}$: $\{i_s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k} \quad _{sa}, \cdots, j_s \quad \wedge$

$s > 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} \quad \mathbb{k}_1 + \quad _2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\text{İSO}} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-\quad-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-\quad-1)!}{(\quad-j^{sa}-\quad)!\cdot(n_{sa}+j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\quad+j_i-\quad-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\quad)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\quad+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l}\quad\cdot(j_{ik}-j_s\quad+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}\quad)!}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\quad(j^{sa}+j\quad-j_{ik}-j_{sa})!}$$

$$\frac{(D-\mathbf{l_i}\quad}{(D+j_i\quad\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ \ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{k=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{n}+j_{sa}-s)}\sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$

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$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$fz^{(\quad)}_{n,\ldots,i} = \sum_{1\ (j_{sa}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{i}-j_{sa}-1} \sum_{j_{sa}^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{-Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}$$

$$\sum_{j_{ik} = \mathbf{l_{sa}} + \mathbf{n} + j_{sa}^{ik} - D - j_{sa}}^{\mathbf{n} + j_{sa}^{ik} - s} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_s}^{(\mathbf{n} + j_{sa} - s)} \sum_{-j^{sa}}^{} \sum_{-\mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10;+Q5}^{n} \sum_{(n_i - j_s}^{(n_i - j_s} \sum_{+1)\ n_{is}}^{n_{is} + j_s - j_{ik}} \sum_{+\mathbb{k}_2 - j_{ik} + 1}$$

$$\sum_{(n_{sa} = n}^{+j_{ik} - j^{sa} -} \sum_{a+1)}^{j^{sa} - j_i} \sum_{n_s = \mathbf{n} - j_i + 1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{\mathbb{k}_2)\ n_s=n_{sa}+j^s}$$

$$\frac{(n_i + j_s \quad ;^{sa} - s \quad - j_{sa}^s)!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + j_{sa} \quad ;^{is} \quad s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad - j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n}$ $\wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_k} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \cdots, \mathbb{k}_1, j \quad \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=\mathbf{l_s}+\mathbf{n}+j_{sa}^{ik}-D-1}^{\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i}{(j_s-2)}$$

$$\frac{(n_i-n_{ik}-\mathbb{k}_2-1)!}{(j_{ik}-j_s-1)!\cdot(}$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(}$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_{sa} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5;>0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\} \wedge$

$s>4 \wedge \mathbf{s}=s+Q5; \wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$S^{iso}_{\dots j_{ik},j^{sa},j_i}=\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{\mathbf{a}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{i}_{sa}^{ik}-s}\sum^{(\ )}_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - \quad)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad \mathbf{l_i})!}{(D + j_{\quad} - \mathbf{n} - \mathbf{l_i})! \quad j_i)!} -$$

$$\sum_{(j_{\quad} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik}}^{\mathbf{n}+j_{sa}^{ik}-} \quad \sum_{+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}} \quad \sum_{=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \quad \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=} \quad \sum_{0;+Q5;} \quad \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-\quad+1)} \quad \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)} \quad \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$\boldsymbol{D \geq n} < \quad \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

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$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+} \sum_{(\mathbf{l_s}+\mathbf{n}-D)}^{}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}-1} \sum_{(j^{sa}}^{(\mathbf{n}+j} \sum_{+\mathbf{n}-D)\ j_i=j^{sa}+}
$$

$$
\sum_{n_i=Q}^{n} \sum_{+Q5;\ (n_{is}}^{(n_i-j_s+1)} \sum_{\mathbb{k}-j_s+1)\ n_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{-j_{ik}+1}
$$

$$
\sum_{sa=\mathbf{n}-j^{sa}+1)}^{(n_{ik}} \sum_{n_s=\mathbf{n}-j_i+1}^{-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\cdots+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2\cdots+1}^{n_{is}+j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-\cdots}^{(n_{ik}+j_{ik}\cdots-\mathbb{k}_2)}\ \sum_{\cdots\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(\cdots-n_{is}-1)!}{(\cdots-2)!\cdot(\cdots-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-\cdots-\mathbb{k}_1-1)!}{(j_{ik}-\cdots-1)!\cdot(\cdots+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(\cdots-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}+\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}}$$

$$\frac{(n_i+j_s \quad {}^{sa}-s- \quad -j_{sa}^{s})!}{(\quad -\mathbf{n}- \quad I)!\cdot(\mathbf{l} \quad j_s+j_{sa} \quad {}^{sa} \quad s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad -j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad -j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+ \quad \wedge$$

$$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad +j_{sa}^{ik}-j_{sa} \wedge$$

$$j^{sa}= \quad +j_{sa}-s \wedge j \quad +s-j_{sa} \leq j_i \quad \wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1= \quad \wedge \mathbf{l_{sa}}+ \quad -j_{sa} > \quad \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$$

$$D \geq \quad < n \wedge I=Q5 \quad 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik}=j_{sa} \quad 1 \wedge j_{sa}^{s}<j_{sa}^{ik}-1 \wedge$$

$$\mathbf{s}: \{j_s^s \quad \cdots, \mathbb{k}_1, j_{sa} \quad a, \cdots, j_{sa}^{i}\} \wedge$$

$$s>4 \wedge \mathbf{s} \quad +Q5; \wedge$$

$$\quad \cdot z=2 \quad \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\text{İSO}}=\sum_{k=1}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

$$\frac{(n_{\quad}-1)}{(j_s-2)\cdot(n_i-n_{is}\quad+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\quad-1)!}{(j_{ik}-j_s-\quad+j_s-\quad-j_{ik}-\mathbb{k}_1)!}$$

$$\frac{(\quad-n_{sa}-\quad}{(j^{sa}-\quad-1)!\cdot\quad+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{\quad}-1)!}{(j_i-j^{sa}-\quad)\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \mathbb{k}_2 - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > \mathrm{D} - \mathbf{n} + 1 \wedge$

$2 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j}^{\mathrm{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} < \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \cdots, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_{\mathrm{z}}: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S_{\Rightarrow j_{sa}^{sa}, j_i}^{\text{İSO}} = \sum_{k=1}^{(\mathbf{l_{sa}}+\mathbf{n}-\mathrm{D}-\mathrm{j_{sa}})} \sum_{(\mathrm{j_s}=\mathbf{l_s}+\mathbf{n}-\mathrm{D})}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+\mathrm{j_{sa}}-\mathrm{s})} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathbf{l_{sa}}+\mathbf{n}-\mathrm{D})} \sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(}{(D+}+$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}-s+1)}\ \sum_{k=}^{(}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{(D-j_{sa}+1)}$$

$$\sum_{Q10;+Q5;}^{(n_{is}+j_s-\mathbb{k}+1)}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\ \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{sa}+j^{sa}-j_i}\ \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} -$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}} \sum_{=j^{sa}} {}_{-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(=n_i+1)} \sum_{n_{ik}} {}_{+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}} \sum_{+j_{ik}-j} {}_{\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} \quad j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{l} \quad I)! \cdot (\mathbf{n} + \quad + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} \quad \mathrm{D} - \mathbf{n} \quad 1 \wedge$

$2 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$\quad = j_i + \quad - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \quad + 1 > \quad \mathbf{a} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \quad = Q5; > 0 \wedge$

$\quad < j^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}^{ik}-D-j_{sa}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j}^{\mathbb{k}_2)\ n_s^{j^{sa}-j_i}}
$$

$$
\frac{(n_i - n_{i}}{(j_s - 2)! \cdot (}
$$

$$
\frac{j_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{i} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{n}-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < {}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{n}+j^{ik}_{sa}-s} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} -}$$

$$\frac{(\mathbf{l}_{\mathbf{s}} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa} - j_{ik} - j_{sa})!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\mathbf{n}-s+1)}\sum_{(j_{sa}=1)}^{(\mathbf{n}-j_{sa}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\mathbf{n}-j_{ik}+j_{sa}-j_{sa}^{ik})}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=10;+Q5;}^{(n_i-1)}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5;>0 \wedge$

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$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+} \sum_{(\mathbf{l_s}+\mathbf{n}-D)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum^{(\ )} \sum^{\mathbf{n}} \sum_{j_i=\mathbf{l_{ik}}+s+\mathbf{n}-D}
$$

$$
\sum^{n} \sum^{(n_i-j_s+1)} \sum_{+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_i=Q} \sum_{+Q5;\ (n_{is}} \sum_{-\mathbb{k}-j_s+1)\ n_{ik}} \sum_{-j_{ik}+1}
$$

$$
(n_{ik} \quad -j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i
$$

$$
\sum_{sa=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \quad j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j^{ik}_{sa} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j^{ik}_{sa} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{} \sum_{j_i=\mathbf{l_{ik}}+s+\mathbf{n}-D-}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}^{} -j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \mathbb{k}_2) \sum_{n_s=n_{sa}+j^{}}^{}$$

$$\frac{(n_i+j_s \quad ;^{sa}-s \quad -j_{sa}^{s})!}{(\quad -\mathbf{n}_{\_}-I)!\cdot(\quad j_s+j_{sa} \quad ;^{is}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad -j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n}$ $\wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \cdots, \mathbb{k}_1, j_{sa} \quad \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \left(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}}$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1 \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{sa} - n_{sa} - 1)}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \left(j^{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik}\right) \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ )!}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D-\mathbf{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\ \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I=Q5;>0 \wedge$

$j_{sa} \leq j_{sa}^{j}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s}<j_{sa}^{ik}-1$

$\mathbf{s}: \{j_{sa}^{s},\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa},\cdots\ \} \wedge$

$s>4 \wedge \mathbf{s}=s+Q5;\wedge$

$\Bbbk_z: z=2 \wedge \Bbbk=\ +\Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO}=\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{n}+j_{sa}^{ik}-s}\ \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\Bbbk_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - \quad)!}{(\mathbf{l_s} - j_s) \quad - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_s \quad + 1)!}{(j_s + \mathbf{l_{ik}} - \quad)! \cdot (j_{ik} \quad - j^{ik}_{sa} + 1)!} \cdot$$

$$\frac{(D - \quad)!}{(D + j_i \quad \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} - j^{ik}_{sa} + 1)}^{(\quad)}$$

$$\sum_{k=\mathbf{l_{ik}} + \mathbf{n} - D}^{\mathbf{n} + j^{sa}_{sa}} \sum_{(j^{sa} = j_{ik} + \mathbf{l_{sa}} - \mathbf{l_{ik}})}^{(\quad)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} + 1 \wedge$

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$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$$

$$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \le j_i \le \mathbf{n} \wedge$$

$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$$

$$D \ge \mathbf{n} < n \wedge I = Q5; > 0 \wedge$$

$$j_{sa} \le j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$fz^{\cdots} = \sum_{\cdots}^{(\mathbf{l_{ik}}+\mathbf{n}-D-j_{s}} \sum_{\cdots}^{\cdots} \sum_{\cdots}^{\cdots} \sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\cdots} \sum_{\cdots}^{\cdots} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{\cdots}$$

$$\sum_{\cdots}^{\cdots} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{is}+j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{n}-\mathrm{s}+1)} \sum_{(\mathrm{j_s}=\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1}^{\mathbf{n}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{s}} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{ik}}+\mathbf{l_{sa}}-}^{(\quad)} \quad -\mathbf{l_{sa}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{=}^{(\mathrm{n_i}-\mathrm{j_s}+} \quad +1)\ \mathrm{n_{ik}} \sum_{}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-} \quad +\mathbb{k}_2-\mathrm{j_{ik}}+1$$

$$+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2 \quad +\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}} \quad +1)\ \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{(\mathrm{j_{ik}} \quad \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1)!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} -$$

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$$\sum_{k=1}^{(\mathbf{n}-s+1)} \sum_{(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^s}$$

$$\frac{(n_i+j_s \quad ;^{sa}-s \quad -j_{sa}^s)!}{(\quad -\mathbf{n}-I)!\cdot(\quad j_s+j_{sa} \quad ;^{s}-s-j_{sa}^s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(\quad -j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad ^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \quad n < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \quad \cdots, \mathbb{k}_1, j \quad , \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \mathbb{k}_2 - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D} + \mathrm{s} - \mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} > \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z : \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{c^{İSO}}_{\mathrm{j_s,\ j_{ik}}} = \left(\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}^{\mathrm{j^{sa}}+\mathrm{j_{sa}^{ik}}-\mathrm{j_{sa}}} \sum_{\mathrm{j_{ik}}=\mathrm{j_{sa}^{ik}}+1}^{(\ )} \sum_{(\mathrm{j^{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s})}^{\mathbf{l_{ik}}+\mathrm{j_{sa}^{ik}}-\mathrm{s}} \sum_{\mathrm{j_i}=\mathrm{s}+1}^{\mathrm{n}} \sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{}\right.$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\quad\mathbf{l_i})!}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\quad j_i)!}+$$

$$\sum_{(j_s}^{(\quad)}\sum_{\mathbf{+l_s-l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}}\sum_{=j_i+j_{sa}-}^{(\quad)}\sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{Q10;+Q5;}^{n_a}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_{s}s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}})!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) +$$

$$\left(\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}}}\right.$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{sa}}}^{(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}-1} \sum_{\mathrm{j_{ik}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{s}}^{\mathrm{j_{ik}}+2}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+Q5;}}^{\mathrm{n}} \sum_{=\mathbf{n}}^{(\mathrm{n_i}-\mathrm{j_s}+} \sum_{\mathrm{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}}^{+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{(\mathrm{j_{ik}} \quad \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}})!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_{ik}}+j_{sa}^{ik}-s-1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)}^{\ } \sum_{n_s=\mathbf{n}-}^{\ }$$

$$\frac{(n_i-\mathbb{k}-1)!}{(j_s-2)!\ (n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\ (n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\ (n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{j_i=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_{ik}}+j_{sa}^{ik}-s}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^{s}_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge \quad < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \quad j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}}\ \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{( )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{( )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-}{(\mathbf{l_s}-j_s)}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}}{(j_{ik}+\mathbf{l_{sa}}-j^{s}}\cdot$$

$$\frac{(D-}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1}\sum_{j_i=s+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s, j_{ik}, j^{sa}, \ldots} = \sum_{\ldots=1} \sum_{(j_s=2)} \left(\sum_{j_{\ldots}^{sa}+\mathbf{l_{ik}}-\mathbf{l_s}+1 \leq j_{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1} \right)
$$

$$
\sum_{n_i=(\ldots+Q5;}^{n} \sum_{(n_{is}=\ldots\mathbb{k}-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s=}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )}\sum_{}^{\mathbf{l_i}}\sum_{=\mathbf{l_s}+s}$$

$$\sum_{n_i=Q10;+Q}^{n}\sum_{}\sum_{n+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=}\sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1} \sum_{j_i=s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s$$

$$(\mathbf{n} - \mathbf{n}_{-} - I)! \cdot (\quad + j_s + j_$$

$$\frac{(\mathbf{l_s} - 2)!}{\quad - j_s)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j_{\quad} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad \leq j_{sa}^{\quad} \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \dots, \mathbb{k}_1, j_{\quad}^{\mathbb{k}} \quad \dots, j_{sa}^{i}\} \wedge$

$s \quad 4 \wedge s \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{iso} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{ik} - \mathbb{k}_2 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=s+2}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-}{(\mathbf{l_s}-j_s}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\cdot(j^{sa}+}$$

$$\frac{(\mathbf{l_i}-\mathbf{l_{sa}}}{(j^{sa}+\mathbf{l}-j_i-\mathbf{l_{sa}}\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathbf{l_i})!}{(\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad -s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\sum_{\quad}\ \sum_{=1\ (j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\quad}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{sa}})}\ \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{\quad}^{n}\ \sum_{Q10;+Q5;\ (n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\quad-j_i)!}\Bigg)$$

$$\sum_{k=1}^{\quad}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad)}$$

$$\sum_{k=j^{sa}+j_{sa}^{\quad}-\quad}\ \sum_{(j^{sa}=j_i+j_{sa}-\quad)}^{\mathbf{l_s}+s-1}\ \sum_{\quad=s+1}$$

$$\sum_{n_i=\quad;+Q5;\,(n_{is}=\mathbf{n}+\quad-j_s+1)}^{n}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\quad_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\quad-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\quad n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$

$1\leq j_s\leq j_{i\quad}\ j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$\quad\ j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{İSO} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum^{(\ )} \sum_{}^{\mathbf{l_s}+s-1} \sum_{}^{} \sum_{}^{} \sum_{}^{s+1}
$$

$$
\sum_{n_i=Q10;+Q5} \sum_{} \sum_{} \sum_{}^{n+\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{} \sum_{}^{j^{sa}-j_i}
$$

$$
\sum_{(n_{sa}=} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_s}+}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=}^{n_{is}+j_s-j_{ik}-\mathbb{k}} {}_{\mathbb{k}_2}-j_{ik}+1$$

$$(n_{ik}+j_{ik}-{}^{sa}-\mathbb{k}_2)\ n_s-j^{sa}-j_i$$

$$\sum_{(n_{sa}}\ \sum_{j^{sa}+1)\ \ n_s=\mathbf{n}-}$$

$$\frac{(n_i-\mathbb{k}_1-1)!}{(j_s-2)!\cdot n_{is}-j_s+1)!}\cdot$$

$$\frac{n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}\right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(j_i+j_{sa}-s-1)\ \mathbf{l_s}+s-1} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=s+2}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + j_i - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_{ik} - \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_{sa}+1)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \mathbb{k}_2 - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - j_s - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(j_i + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l} \quad - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_s} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \sum_{(j^{sa} = j_i + j_{sa} - s)}^{(\quad)} \sum_{j_i = s+1}^{\mathbf{l_s} + s - 1}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$fz^{S_{\mathbf{n}}^{\mathbf{s}}} \Rightarrow_{j_{ik}, j^{sa}, j_i} \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=s+1}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\quad)!}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\quad j_i)!}+$$

$$\sum_{1}^{(\mathbf{l_s})}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}}^{\quad+j_{sa}^{ik}-j_{sa}}\quad\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\quad)}\quad\sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{Q10;+Q5;}^{(n_{is}+1)}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} -} \cdot$$

$$\sum_{k=} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=i}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-} \sum_{=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}$$

$$\sum_{n_i=Q10;+} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}-} \sum_{-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}$$

$$\sum_{sa=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )}\sum_{(j^{sa}=j_i+\mathbf{l_s}}^{\mathbf{l_s}+}\sum_{j_i=s+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s}^{\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(\ )}\sum_{+j_{ik}-j}\sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\quad+j_{sa}-\quad-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\quad+j_s+\quad-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > \quad \wedge \mathbf{l_i} \leq D + s - \quad \wedge$

$1 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \quad _{sa} + s - \quad \leq \quad \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_s \quad + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} \quad j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \quad = Q5; > \quad \wedge$

$j_{sa} \quad j_{sa} \quad 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k} \quad j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > \quad \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(l_{ik}+j_{sa}^{ik}-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=n-j_i+1}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_{ik} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)}{(j^{sa} - j_{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - 2)!}{(l_s - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{sa} + j_{sa}^{ik} - l_{ik} - j_{sa})!}{(j_{ik} + l_{sa} - j^{sa} - l_{ik})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+l_s-l_{ik})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}} \sum_{(j^{sa}=l_{ik}+j_{sa}^{ik}-s+1)}^{(l_i+j_{sa}-s)} \sum_{j_i=j^{sa}+l_i-l_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - [illegible] - j^{sa})!}$$

$$\frac{(n_{[illegible]} - n_s - [illegible])!}{(j_i - j^{sa} - 1)! \cdot [illegible] + j^{sa} - n_s - [illegible])!} \cdot$$

$$\frac{(n_s - [illegible] - 1)!}{[illegible] + j_i - [illegible] \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{[illegible] - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + [illegible] - j^{sa} - \mathbf{l_{ik}}) \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$c^{\text{İSO}}_{\quad j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i})!}{(D+\mathbf{l_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{l_i}-j_i)!}+$$

$$\sum_{(j_s=1;\ j_s+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{(\mathbf{l_{sa}})}\ \sum_{(\mathbf{l_{ik}}+j_{sa}^{ik}-s+1)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{Q10;+Q5;}^{(n_{is}+j_s+1)}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\Bigg(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}}}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{}^{} \sum_{}^{j_i} \sum_{}^{} \sum_{}^{j_{sa}+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{}^{(n_i-j_s+} \sum_{}^{} \sum_{}^{n_{is}+j_s-j_{ik}-} \sum_{}^{} \sum_{}^{+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{}^{+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{}^{} \sum_{}^{+j^{sa}-j_i}$$

$$\sum_{(n_{sa}=\mathbf{n}-}^{} \sum_{}^{+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}^{ik}-s+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_{ik}}+j_{sa}^{ik}-s)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=\ +j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-\ -j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-\ -j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ }{(D+\ -\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \leq j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - \mathbf{l_{sa}} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \ > \mathbf{l_{ik}} \wedge \mathbf{l_i} - \ _{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \ > 0 \wedge$

$j_s < j_{sa}^{i} - 1 \wedge \ _{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{ \ \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2 \ , \cdots, j_{sa} \}$

$\ > 4 \wedge \ = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} \ \ \mathbb{k} \ \ \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - \quad - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} \quad - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} \quad - 1)!}{(\quad - j^{sa} - \quad)! \cdot (n_{sa} + j \quad - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(\quad + j_i - \quad - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \quad - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa})}{(j_{ik} + \mathbf{l_{sa}} - j_{\quad} - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\quad)} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}}^{(\mathbf{l_s} + j_{sa} - 1)} \sum_{(j^{sa} = j_{sa} + 1)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

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$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D} + \mathrm{s} - \mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{j}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{\mathrm{fz}}\mathrm{S}^{\mathrm{I5}}_{\Rightarrow \mathrm{j_s}\ \mathrm{j^{sa}},\mathrm{j_i}} = \sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j_{sa}^{ik}}+1)} \sum_{(\mathrm{j_s}=2)}^{}
$$

$$
\sum_{\mathrm{j_{ik}}=\mathrm{j^{sa}}+\mathbf{l_{ik}}-}^{(\mathbf{l_s}+\mathrm{j_}\ 1)} \sum_{(\mathrm{j^{sa}}=\mathrm{j_{sa}}+1)}^{} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}
$$

$$
\sum_{\mathrm{n_i}}^{\mathrm{n}} \sum_{10;+\mathrm{Q5};\ (\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}
$$

$$
\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}
$$

$$
\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} - 2)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot
$$

$$
\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j^{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j^{sa}})!} \cdot
$$

$$
\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j^{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j^{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot
$$

$$
\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot
$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-}+$$

$$\sum_{j_s=2}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_i}+j_{sa}-s)}\ \sum_{(j^{sa}=\mathbf{l_{sa}})}^{}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=Q10;}^{n}\ \sum_{(n_{is}=\mathbf{n}+}^{(n_i}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{i}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-}\ \sum_{n_s=\mathbf{n}-j_i+1}^{-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=j_{sa}+1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s - j^{sa} - s - j_{sa}^s)!}{(\mathbf{n} - \mathbf{n} - I)! \cdot (\quad + j_s + \quad - j_{sa} - s - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\quad - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D - j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_{sa} + j_{sa} - s \wedge j_{sa} + s - j_{sa} \leq j_i - \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q \quad > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \dots, \mathbb{k}_1, j \quad \mathbb{k} \quad \dots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge s \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_{ik} - \mathbb{k}_2 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - j_{sa} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-}{(\mathbf{l_s}-j_s}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\cdot(j^{sa}+}$$

$$\frac{(\mathbf{l_i}}{(j^{sa}+}\cdot$$

$$\frac{(}{(D}+$$

$$\sum_{k=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\quad)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\quad k}-j_{sa})!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad!\cdot(j_i+j_{sa}\quad-s)!}\cdot$$

$$\frac{(D-\quad)!}{\quad\mathbf{n}-\mathbf{l_i}\quad(\mathbf{n}-j_i)!}\Big)$$

$$\sum_{=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}\quad_{sa}}\ \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=\quad0;+Q5;}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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$$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$$

$$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$$

$$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_{sa}, j_i}^{İSO} = \left(\sum_{k=1}^{(\quad - j_{sa}^{ik}+1)} \sum_{(j_s} \right.
$$

$$
\sum_{=j^{sa}+\mathbf{l_{ik}}}^{(\mathbf{l_s}+j_{sa}} \sum_{(j^{sa}=j_{sa}+1}^{} \left. \sum_{s-j_{sa}} \right.
$$

$$
\sum_{-Q10;+Q5;}^{n} \sum_{(n_{is}=}^{(n_i-j_s} \sum_{\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(\mathbb{k}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{l_s})}\sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j^{sa}}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}\ \sum_{(\mathrm{j^{sa}}=\mathbf{l_s}+\mathrm{j_{sa}})}\ \sum_{\mathrm{j^{sa}}+\mathrm{s}-\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\ \sum_{\mathrm{n_{is}}+\mathrm{j}}$$

$$\sum_{(\mathrm{n_{ik}}+\mathrm{j_{ik}}}\ \sum_{(\mathrm{n_{sa}}-$$

$$\frac{-\mathrm{n_{is}}-1)!}{-2)!\cdot\ -\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\ -\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\ -1)!\cdot(\mathrm{n}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j_{sa}^{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j_{sa}^{ik}}+1)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)+$$

$$\left(\sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j_{sa}^{ik}}+1)}\ \sum_{(\mathrm{j_s}=2)}\right.$$

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$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=j_{sa}+1)}^{\mathbf{l_i}} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}}$$

$$\frac{(n_{\quad}-1)}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-\quad+j_s-\quad-j_{ik}-\mathbb{k}_1)!}$$

$$\frac{(\quad-n_{sa}-\quad}{(j^{sa}-\quad-1)!\cdot\quad+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{\quad}-1)!}{(j_i-j^{sa}-\quad)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{\mathbf{l_i}} \sum_{j_i=j^{sa}+s-j_{sa}+1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa} + j_{ik})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + j_i)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_{ik} - \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+s-j_{sa}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ )!}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq D+s-\mathbf{n}\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\ \wedge\mathbf{l_i}+j_{sa}\ s=\mathbf{l_{sa}}$$

$$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$$

$$j_{sa}\leq j_{sa}^{j}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1$$

$$\mathbf{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots\ \}\wedge$$

$$s>4\wedge\mathbf{s}=s+Q5;\wedge$$

$$\mathbb{k}_z\colon z=2\wedge\mathbb{k}=\ +\mathbb{k}_2\Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{İSO}=\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=j_{sa}+1)}^{(\mathbf{l_s}+j_{sa}-1)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\cdots)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\cdots)!}{(\mathbf{l_s}-j_s-\cdots-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_s-\cdots+1)!}{(j_s+\mathbf{l_{ik}}-\cdots)!\cdot(j_{ik}-\cdots-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_{sa}}+j_s-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j_s-\mathbf{l_{ik}})!\cdot(\cdots+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D-\cdots-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!(j^{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s}^{\mathbf{l_{ik}}}\sum_{(}^{(\mathbf{l_{ik}}+j_{sa}-s)}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{}^{n}\sum_{Q10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{sa}^{ik}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+\mathrm{j}_{sa}^{ik}-\mathbf{l_{ik}}-\mathrm{j_{sa}})!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{sa}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{sa}+\mathrm{j}_{sa}^{ik}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{k=1}^{(\quad)}\sum_{(\mathrm{j_s}=\mathrm{j_{ik}}-\mathrm{j}_{sa}^{ik}}$$

$$\sum_{\mathrm{j}_{sa}^{ik}+\mathrm{j}_{sa}^{ik}-\mathrm{j_s}}\sum_{(\quad=\mathrm{j_{sa}}+1)\ \mathrm{j_i}-\mathrm{j_s}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\quad+\mathrm{Q5};\ (\mathrm{n_{is}}=\mathbf{n}+\quad+\mathrm{j_s}+1)\ \mathrm{n_{ik}}=\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}^{\mathrm{n}}$$

$$\sum_{(\mathrm{n_{sa}}=\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{\mathrm{n_s}=\mathrm{n_{sa}}+\mathrm{j}^{sa}-\mathrm{j_i}}$$

$$\frac{\mathrm{n_i}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{sa}-\mathrm{s}-\mathrm{I}-\mathrm{j}_{sa}^{s})!}{-\mathbf{n}-\mathrm{I})!\cdot(\mathbf{n}+\mathrm{j_s}+\mathrm{j_{sa}}-\mathrm{j}^{sa}-\mathrm{s}-\mathrm{j}_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\quad\wedge\ \mathbf{n}\wedge\mathbf{l_s}>1\wedge\mathbf{l_i}\leq\mathrm{D}+\mathrm{s}-\mathbf{n}\wedge$

$1\leq\mathrm{j_s}\leq\mathrm{j_i}\quad\mathrm{j}_{sa}^{ik}+1\wedge\mathrm{j_s}+\mathrm{j}_{sa}^{ik}-1\leq\mathrm{j_{ik}}\leq\mathrm{j}^{sa}+\mathrm{j}_{sa}^{ik}-\mathrm{j_{sa}}\wedge$

$\quad\quad\mathrm{j_{sa}}-\mathrm{s}\wedge\mathrm{j}^{sa}+\mathrm{s}-\mathrm{j_{sa}}\leq\mathrm{j_i}\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j}_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+\mathrm{j}_{sa}^{ik}-\mathrm{j_{sa}}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathrm{I}=\mathrm{Q5};>0\wedge$

$\mathrm{j_{sa}}\leq\mathrm{j}_{sa}^{i}-1\wedge\mathrm{j}_{sa}^{ik}=\mathrm{j_{sa}}-1\wedge\mathrm{j}_{sa}^{s}<\mathrm{j}_{sa}^{ik}-1\wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l}}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{}}^{} \mathbf{l_i} - \mathbf{l_{sa}}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{+\mathbb{k}-j_s+1)}^{(n_i-j} \sum_{=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-} \mathbb{k}_1
$$

$$
\sum_{(n_{sa}-j^{sa}+1)}^{(n_{ik}+j_{ik}-)} \sum_{n_s=\mathbf{n}-j_i+1}^{+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \quad j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{{}^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -
$$

$$
\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}
$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} \quad - j_s)!}{(n_i - \mathbf{n} - \mathrm{I})! \cdot (\mathbf{n} + j \quad + j_{sa} - j^{sa} \quad - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(D}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \quad j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} \quad > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \quad sa - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \quad > 0 \wedge$

$j \quad \leq j_{sa}^{i} - 1 \quad a = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}$: { $\quad , \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k} \quad a, \cdots, j_{sa}$

$s > 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} \quad \mathbb{k}_1 + \quad \Rightarrow$

$$ {}_{fz}S^{iSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{sa}+j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+j_{sa}^{ik}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ \ )} \sum_{j_i = j^{sa}+s-j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\begin{aligned}
{}_{fz}S_{\Rightarrow j_s \cdots j^{sa}, j_i}^{IS} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})} \\
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(j_i+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}} \\
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \\
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \\
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \\
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot \\
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot \\
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
\end{aligned}$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\ldots}\ (j_s=j_{ik}+\mathbf{l_s}-\ldots)$$

$$\sum_{j_{sa}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ (j^{sa}=\ldots+j_{sa}-j_{sa}^{ik})\ j_i=\ldots+\mathbf{l_i}-\mathbf{l_{sa}}$$

$$\ldots(n_i-j_s+1)$$

$$\sum_{n_i=\ldots;+Q5;}^{n}\ (n_{is}=\mathbf{n}+\ldots-j_s+1)\ n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(\ldots-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \ldots n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D+s-\mathbf{n} \wedge$

$1 \leq j_s \leq j_{i}\ldots j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$\ldots j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

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$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+}^{(\ )} \sum_{j_i=j^{s}}^{} \sum_{\mathbf{i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q}^{n} \sum_{k-j_s+1)}^{(n_i-j_s} \sum_{\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}}
$$

$$
\sum_{(n_{sa}=}^{ik}+j_{ik}-j \sum_{sa}+1)}^{+j^{sa}-j_i} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_i}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}}^{} \sum_{\mathbb{k}_2)}^{} n_s \sum_{j^{sa}-j_i}$$

$$\sum_{(n_{sa}-}^{} \sum_{isa+1)}^{} \sum_{n_s=\mathbf{n}-j}^{}$$

$$\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}$$

$$\frac{j_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j^s_{sa})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j^s_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\quad-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \quad j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} \geq \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s > \mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \quad < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \quad j_{sa}, \cdots, j^{i}_{sa}\} \wedge$

$s \geq 4 \wedge \mathbf{s} = \quad + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \quad + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\text{İSO}}_{\Rightarrow j_s,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{\mathbf{l_s}+j^{ik}_{sa}-1}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_s - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{ik}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\mathbf{l_s} + j_{sa}^{ik} - 1} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\quad)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \mathrm{D} + \mathrm{s} - \mathbf{n} \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j}^{\mathrm{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j}^{\mathrm{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{sa}} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} > \mathbf{l_{sa}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j}_{\mathrm{sa}}^{\mathrm{s}} < \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}, \cdots, \mathbb{k}_1, \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}\mathrm{S}^{\mathrm{I5}}_{\Rightarrow \mathrm{j_s}\ \ \mathrm{j}^{\mathrm{sa}},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{(\mathrm{j_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)} \sum_{(\mathrm{j_s}=2)}\right.$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\ \ik\ -1} \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathrm{s}-\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s-1)}^{(\quad)}\sum_{(\mathbf{l_{ik}}-\mathbf{l_s}+j_{sa}^{ik})}^{(\quad)}\sum_{(j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)}\sum_{j_{sa}}^{j_s-j_{sa}}$$

$$\sum_{Q10;+Q5;}^{n}\sum_{(n_{is}=}^{(n_i-j_s+}\sum_{\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{}$$

$$\sum_{ik}^{ik+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{sa}+j^{sa}-j_i}\sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\left.\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\right)+$$

$$\left(\sum_{k=1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1}\sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )}\sum_{j_i=j^{sa}+\mathbf{l}_s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i-\mathbb{k}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}+\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} \quad - I - j_s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} \quad j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \quad)! \cdot (j_s - 2)!}$$

$$\frac{(D \quad}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s \quad j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} \quad > \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad sa - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = \quad > 0 \wedge$

$j \quad \leq j_{sa}^{i} - 1 \quad ik = j_{sa} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}$: $\{ \quad \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k} \quad a, \cdots, j_{sa}$

$> 4 \wedge \quad = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} \quad \mathbb{k}, + \quad _2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_{ik}-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}\sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - [illegible] - j^{sa})!}$$

$$\frac{(n_{[illegible]} - n_s - [illegible])!}{(j_i - j^{sa} - 1)! \cdot [illegible] + j^{sa} - n_s - [illegible])!} \cdot$$

$$\frac{(n_s - [illegible] - 1)!}{[illegible] + j_i - [illegible] (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{[illegible] - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - [illegible]_s - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - [illegible]! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + [illegible] - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < {}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$ {}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_{ik}} - j^{ik}_{sa} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} -}$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} -)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} -} \cdot$$

$$\frac{(\mathbf{l_i} -)!}{- \mathbf{n} - j_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\sum_{k=1}^{(j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum \sum_{j_{ik}=j_s}^{(\quad)} \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i} \sum_{0;+Q5;}^{(n_i-j_s+1)} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

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$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_{sa}^{ik}, j_i}^{İSO} = \left(\sum_{k=1}^{(\quad - j_{sa}^{ik}+1)} \sum_{(s} \right.
$$

$$
\sum_{j_{ik}} \sum^{(\mathbf{l_{sa}})} \sum_{+\mathbf{l_{ik}}-\mathbf{l_s}\ (j} \sum_{ik}+j_{sa}-j_{sa}^{s})} \sum_{s-j_{sa}}
$$

$$
\sum^{n} \sum^{(n_i-j_s+} \sum^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
Q10;+Q5;\ (n_{is}=\quad \mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1
$$

$$
\sum_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)+$$

$$\Bigg(\sum_{\mathrm{k}=1}^{(\mathbf{l_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)}\sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})}\left(\mathrm{j}^{\mathrm{sa}}=\mathrm{j_{ik}}+\mathrm{j_{sa}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}\right)\sum_{\mathrm{j_i}=\mathrm{j_s}-\mathrm{j_{sa}}+1}^{\mathbf{l_i}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}}^{(\mathrm{n_i}-\mathrm{j_s}+1}\sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j}}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathbb{k}_1}$$

$$\sum_{\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathbb{k}_2)}\sum_{\mathrm{j_i}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n}_{\mathrm{is}}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n}_{\mathrm{is}}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n}_{\mathrm{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n}_{\mathrm{ik}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}_{\mathrm{ik}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}})!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)-$$

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$$\sum_{k=1}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}} -j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j} \mathbb{k}_2) \sum_{n_s=n_{sa}+j^s}$$

$$\frac{(n_i+j_s \quad ^{sa}-s \quad -j_{sa}^s)!}{(\quad -\mathbf{n}-I)!\cdot(\quad j_s+j_{sa} \quad ^{sa} \quad s-j_{sa}^s)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad -j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad -j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad +s-\mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad +j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa} = \quad +j_{sa}-s \wedge j \quad +s-j_{sa} \leq j_i \quad n \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 = \quad \wedge \mathbf{l_{sa}}+ \quad ^{ik}-j_{sa} > \quad _k \wedge \mathbf{l_i}+j_{sa}-s = \mathbf{l_{sa}} \wedge$

$D \geq \quad < n \wedge I = Q \quad > 0 \wedge$

$\quad _{sa} \leq j_{sa}^i \quad 1 \wedge j_{sa}^{ik} = j_{sa} \quad 1 \wedge j_{sa}^s < j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \{j_{s} \cdots, \mathbb{k}_1, j_{s} \quad , \cdots, j_{sa}^i\} \wedge$

$s > 4 \wedge \mathbf{s} \quad s+Q5; \wedge$

$\mathbb{k}_1: z=2 \quad \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\text{İSO}} = \sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-1}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{( )} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ )!}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D+s-\mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\ \wedge \mathbf{l_i}+j_{sa}\ s=\mathbf{l_{sa}}$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{j}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots\ j \wedge$

$s > 4 \wedge \mathbf{s} = s+Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \ + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{\dot{I}SO} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_i}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(\mathbf{l_s} - \quad)!}{(\mathbf{l_s} - j_s) \quad - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_s + 1)!}{(j_s + \mathbf{l_{ik}} - \quad)! \cdot (j_{ik} \quad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \quad)}{(D + j_i \quad \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(l_s)} \sum_{(j_s=2)}$$

$$\sum_{k=j_s+j_{sa}^{ik}-1} \sum^{(\ )}_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum^{(n_i-j_s+1)}_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum^{(\ )}_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=2,}^{(\mathbf{l_s})} \right.
$$

$$
\sum_{j_{ik}=j_s+}^{} \sum_{\mathbf{l_s}\,(j^{sa}=j_{}-j_{sa}^{ik})\; j_i=j^{sa}+s-j_{sa}}^{}
$$

$$
\sum_{-j_s+1)}^{} \sum_{n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{}
$$

$$
\sum_{n_i=Q}^{n} \sum_{+Q5;\,(n_{is}=}^{} \sum_{\mathbb{k}-j_s+1)\; n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{}
$$

$$
\sum_{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\; n_{sa}+j^{sa}-j_i}^{}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) +$$

$$\left(\sum_{k=1}^{(l_s)} \sum_{(j_s=2}^{l_i}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_i-j_s+}^{n_{is}+j_s-j_{ik}} \sum_{+1)\ n_{ik}}^{+\mathbb{k}_2-j_{ik}+1}$$

$$+j_{ik}-j^{sa}-\mathbb{k}_2 \qquad +j^{sa}-j_i$$

$$\sum_{(n_{sa}=\mathbf{n}} \sum_{+1)\ \ n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \quad j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) -$$

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$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\ )}\left(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}\right)\sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i+j_s \quad j^{sa}-s \quad -j_{sa}^{s})!}{(\quad -\mathbf{n}-I)!\cdot(\quad +j_s+j \quad s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(\quad -j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq \quad +s-\mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad +j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}= \quad +j_{sa}-s \wedge \quad +s-j_{sa} \leq j \quad \mathbf{n} \wedge$

$\mathbf{l} \quad -j_{sa}^{ik}+1 \quad \wedge \mathbf{l_{sa}}+ \quad -j_{sa}=\mathbf{l} \quad \wedge \mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}} \wedge$

$D \geq \quad n < n \wedge I= \quad >0 \wedge$

$\quad \leq j_{sa}^{i} \quad 1 \wedge j_{sa}^{ik}=j_{sa} \quad 1 \wedge j_{sa}^{s}<j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \{j_{sa}^{s} \ldots, \mathbb{k}_1, \quad \ldots, j_{sa}^{i}\} \wedge$

$s \quad 4 \wedge s \quad s+Q5; \wedge$

$\mathbb{k}_z: z=2 \quad \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik}, j^{sa}, j_i}^{\dot{I}SO}=\left(\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s=2)}\right.$$

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$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2 \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_2 - 1)!}{(j_{ik} - j_s - 2 \cdot n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - j_{ik})}{(j^{sa} - j_{ik} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}\right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{l_i}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_{sa} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_1 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_{sa}} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_i} \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j^{ik}_{sa})}^{(\mathbf{l_i}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-$$

$$\frac{(D-$$

$$\frac{(D+j_{i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s=2)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1}^{(\ )}\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$$

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$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j_{sa}^{ik} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S_{\Rightarrow j_s, j_{ik}, j_i}^{\dot{I}SO} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + \cdots}^{j^{sa} + j_{sa}} \sum_{(j^{sa} = j_i + \mathbf{l_{sa}} - \mathbf{l_i})}^{\cdots} \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{l_{ik}} + s - j_{sa}^{ik}}$$

$$\sum_{n_i}^{n} \sum_{10; + Q5; (n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\quad)!}+$$

$$\sum_{k=1}^{(\quad)}\sum_{(j_s=j_{\quad}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{ik}+1}^{\mathbf{l_{ik}}}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}}\sum_{i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}$$

$$\sum_{n_i=Q10;+}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}_{\quad}+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}-\quad-\mathbb{k}_2)}\sum_{n_{sa}+j^{sa}-j_i}$$

$$\sum_{sa=\mathbf{n}-j^{sa}+1)}\sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(\quad-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-Q}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}^{} {}_{-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} {}_{\mathbb{k}_2)} \sum_{n_s=n_{sa}+j}^{}$$

$$\frac{(n_i + j_s \quad {}^{sa} - s \quad - j_{sa}^{s})!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + j_{sa} \quad {}^{s} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\quad - j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq \quad - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \quad - \mathbf{n} < \mathbf{l_i} \leq D \quad \mathbf{l_{sa}} + s \quad - j_{sa} \wedge$

$D \geq \mathbf{n} < \quad \wedge I = Q5; > \quad \wedge$

$j_{sa} \leq j \quad - 1 \wedge \quad - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{ \quad , \cdots, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i} \} \wedge$

$\quad > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$ {}_{fz}S^{iso}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})} \right.$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i}{(j_s-2)}$$

$$\frac{(n_i-1)}{(n_i-n_{is}}$$

$$\frac{(n_{i}-n_{ik}-\mathbb{k}_{}-1)!}{(j_{ik}-j_s-1}$$

$$\frac{(n_{i}-n_{ik}-\mathbb{k}_{}-1)!}{(j_{ik}-j_s-1}$$

$$\frac{(n_{i}-n_{sa}-1)}{(j^{sa}-j_{}-1)!\cdot(}$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_i-j^{sa}-1}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-}{(\mathbf{l_s}-j_s}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}}{(j_{ik}+\mathbf{l_{sa}}-j^{s}\cdot(j^{sa}+}$$

$$\frac{(\mathbf{l_i}-\mathbf{l_{sa}}}{(j^{sa}+\mathbf{l}-j_i-\mathbf{l_{sa}}\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(\mathbf{l}-\mathbf{l_i})!}{(\mathrm{D}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}}\sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-\mathrm{D})}^{(j_i+j_{sa}-s-1)}\sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad\quad-s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}-D)}^{\mathbf{l_{ik}}}\ \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{(\mathbf{l_{sa}})}\ \sum_{}^{\mathbf{n}}$$

$$\sum_{n_{Q10};+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\quad-j_i)!}\Bigg)$$

$$\sum_{k=1}^{(\quad)}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad)}$$

$$\sum_{j_{ik}=j_{sa}+j_{sa}^{ik}-j_s}\ \sum_{(\quad)=j_i+j_{sa}-s)\ j_i=j_i+\mathbf{n}-D}^{l_{ik}+s-j_{sa}^{ik}}$$

$$\sum_{(\quad-j_s+1)}$$

$$\sum_{n_i=\quad;+Q5;\ (n_{is}=\mathbf{n}+\quad+j_s+1)}^{n}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\quad_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\quad-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\quad n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j_{i}\quad j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$\quad\quad j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{ik}}+s-\mathbf{n}-j_{sa}^{ik}\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

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$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ \ )} \sum_{(j_s\ \ _{k}+\mathbf{l_s}-\mathbf{l_{ik}})}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{j_{ik}=j^{ik}_{sa}+1}^{(\ \ )} \sum_{(\ \ _{j_i}+\mathbf{l_{sa}}-\mathbf{l_i})\ j_i=\mathbf{l_i}\ \ -s-1}^{D} \sum_{n_i=Q\ \ +Q5;\ (n_{is}\ \ +\mathbb{k}-j_s+1)\ n_{ik}}^{n} \sum_{(n_i-j_s+1)\ \ _{is}+j_s-j_{ik}-\mathbb{k}_1}^{} \sum_{\ \ -j_{ik}+1}^{} \sum_{(n_{ik}\ \ -j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}^{} \sum_{n_{sa}=\mathbf{n}-j^{sa}+1)\ \ n_s=\mathbf{n}-j_i+1}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j^{ik}_{sa} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j^{ik}_{sa} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_s}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2} \sum_{(n_{sa}=n_{ik}+j_{ik}-j_{sa}+1)}^{(n_{ik}+j_{ik}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i}^{n_s=j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} + j_s + 1)!} \cdot$$

$$\frac{n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_i}-\mathbf{l_{sa}})}^{\mathbf{l_s}+s-1} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \quad - \mathbf{l_i})! \cdot (\mathbf{n} - \quad)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + \quad - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \quad \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} \quad j_{sa} - s = \mathbf{l_{sa}}$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_s} + \quad - \mathbf{n} - 1 \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} \quad ^{ik}_{a} - 1$

$\mathbf{s}: \{j^s_{sa}, \cdots, \mathbb{k}_1 \quad ^{ik}_{a}, \mathbb{k}_2, j_{sa} \quad \cdots, j^i_{sa}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + \quad \wedge$

$\mathbb{k}_z: z \quad ^2 \wedge \mathbb{k} = \mathbb{k}_1 + \quad \Rightarrow$

$$_{fz}S^{iSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j^{ik}_{sa}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot \frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot \frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-\mathbb{k}_2-j^{sa})!}\cdot \frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot \frac{(n_s-1)!}{(\mathbf{n}-j_i)!}\cdot \frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot \frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s-\mathbf{l_{ik}}-j_{ik}-1)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{n}} \sum_{j_i=\mathbf{l_s}+s}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-\quad)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-\quad)!}{(\mathbf{l_s}-j_s)!\cdot(\quad-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_s+1)!}{(j_s+\mathbf{l_{ik}}-\quad)!\cdot(j_{ik}-\quad-j_{sa}^{ik}+1)!}$$

$$\frac{(D-\quad)}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}\sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

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$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{j_s}_{=} = \left(\sum_{} \sum_{}^{(\ )} \right)_{(j_{sa}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{j_{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{Q10;+Q5;}^{(n_{is}+s+1)} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{\mathrm{k}=1}^{(\ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}}}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathbf{l_s}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1} \quad \sum^{(\ )} \quad \sum^{\mathrm{a}+\mathrm{s}-\mathrm{j_{sa}}}$$

$$\sum^{\mathrm{n}} \quad \sum^{(\mathrm{n_i}-\mathrm{j_s}} \quad \sum^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}}$$

$$\sum^{(\mathrm{n_{sa}}=\mathbf{n}} \quad \sum^{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{(\mathrm{j_{ik}} \quad \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j}^{\mathrm{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j}^{\mathrm{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j}^{\mathrm{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j}^{\mathrm{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j}^{\mathrm{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j}^{\mathrm{sa}} + \mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) +$$

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$$\left(\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}}\ \sum_{n_s=\mathbf{n}-j_i}^{i^{sa}-j_i}$$

$$\frac{(n_i-n_{}-1)!}{(j_s-2)!\cdot(}\cdot$$

$$\frac{-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{}-n_{sa}-1)!}{(j^{}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{sa}}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ \ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(n_{sa}-j^{sa}-n_s+j_i-1)!\cdot(n_{sa}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)-$$

$$\sum_{k=1}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )}\ \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s -$$

$$\frac{(D -$$

$$(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} = \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}}$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_s \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{j} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \quad j_{sa} < j_{sa} \quad 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j \quad \wedge$

$s > 4 \wedge \mathbf{s} = s + \quad ; \wedge$

$\mathbb{k}_z : z \quad 2 \wedge \quad = \mathbb{k}_1 + \quad \Rightarrow$

$$ {}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{ik}} \quad - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad \mathbf{l_i})!}{(\quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{(\quad)} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{l_i}+\mathbf{n}-D-1)!}\Bigg)+$$

$$\left(\sum_{(j_{ik}=j_{sa}^{ik}+1)}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_i=2)}\right.$$

$$\sum_{j_i=\mathbf{l_{sa}}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(j_i+j_s-1)}\sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}+j_{sa}-D-j_{sa}^{ik})}^{\mathbf{l_s}+s-1}\sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_{is}=10;+Q5;}^{(n_{ik}+j_s+1)}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

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$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \quad + \cdot$$

$$\sum_{k} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l}} \sum_{(j_{sa}=\mathbf{l_{ik}}+\mathbf{n}+j_{sa}} \sum_{-j_{sa}^{ik})} \sum_{j_i=\mathbf{l_s}+s}$$

$$\sum_{n_i=Q10;+} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}$$

$$\sum_{(n_{ik}+j_{ik}-} \sum_{-\mathbb{k}_2)} \sum_{n_{sa}+j^{sa}-j_i}$$

$$\sum_{sa=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{k - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(\mathrm{j_s}=2)}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j^{sa}}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+\mathrm{j_{sa}}-\mathrm{j_{sa}^{ik}})}\ \sum_{(\mathrm{j^{sa}}=\mathbf{l_{ik}}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{j_{sa}^{ik}})}^{\mathbf{n}}\ \mathrm{j_i}=$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+Q5;}}^{\mathbf{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}+}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\ \mathrm{n_{ik}}=\mathbf{n}+$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}}$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{is}}-1)!}{(\quad-2)!\cdot(\quad-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\quad-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\quad-1)!\cdot(\mathrm{n}\quad+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\quad-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j_{sa}^{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j_{sa}^{ik}}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j^{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j^{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)-$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\ )} \sum_{(j^{sa}=j_i+j_{sa}-s)}^{\mathbf{l_s}+s-1} \sum_{j_i=\mathbf{l_i}+\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}}^{} \sum_{-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{\mathbb{k}_2)} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad j^{sa} - s \quad - j_{sa}^{s})!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + j_{sa} \quad j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \quad - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D - \quad - \mathbf{n} < \mathbf{l_i} \leq D \quad \mathbf{l_s} + s \quad 1 \wedge$

$D \geq \mathbf{n} \quad \wedge I = Q5; > \quad \wedge$

$j_{sa} \leq j \quad - 1 \wedge \quad - \quad - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \quad , \cdots, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i} \} \wedge$

$\quad > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_s}+s-1}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k} - 1)!}{(j_{ik} - j_s - 2 + j_s - 1 - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s + 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )} \sum_{j_i=\mathbf{l_s}+s}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j^{sa}-j^{sa}-1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n_s-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_{ik}-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ \ )} \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\ )} \sum_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{\mathbf{l_s}+s-1} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j^{ik}_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{j^{sa} + j^{ik}_{sa} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{l_{ik}} + j_{sa} - j^{ik}_{sa})} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-j_{sa})!\cdot(j^{sa}+j_{sa}-j_{ik}-j_{sa})!}$$

$$\frac{(D+\mathbf{n}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}}\ \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\ldots}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ldots)}^{\ldots}$$

$$\ldots+j_{sa}-j_{sa}^{ik})$$

$$\sum_{j_{ik}=j^{sa}+j_s-\ldots}^{\ldots}\ \sum_{(j^{sa}=\ldots+j_{sa}-D-s)}^{\ldots}\ j_i\ \ldots\mathbf{l_i}-\mathbf{l_{sa}}$$

$$\ldots n_i-j_s+1)$$

$$\sum_{n_i=\ldots;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\ldots+j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{\ldots}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{\ldots_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{\ldots-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\ldots n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j_{i}\ldots j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$\ldots j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa}\wedge$

$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$

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$j_{sa} \le j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{ j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa} \right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{iso}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s \ldots_k + \mathbf{l_s} - \mathbf{l_{ik}})} \right.
$$

$$
\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}\ldots-D-s)}^{(\mathbf{l_{ik}}+j_{sa}-j^{ik}_{sa})} \sum_{j_i=j^{sa}+s\ldots}
$$

$$
\sum_{n_i=Q\ldots+Q5;}^{n} \sum_{(n_{is}\ldots-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}\ldots}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{\ldots-j_{ik}+1}^{\ldots}
$$

$$
\sum_{j^{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}\ldots-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} \ldots j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j^{ik}_{sa} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j^{ik}_{sa} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{sa}-j^{sa}-j_i$$

$$\sum_{(n_{sa}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-}$$

$$\frac{(n_i-\mathbb{k}-1)!}{(j_s-2)!\cdot(n_{is}-j_s+1)!}\cdot$$

$$\frac{n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{sa}-n_{sa}-1)!}{(j_{ik}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{n}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa}}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j^{sa} + j_{sa}^{ik} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{l_{ik}} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\quad)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq\mathrm{D}-\mathbf{n}+1\wedge$

$1\leq\mathrm{j_s}\leq\mathrm{j_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1\wedge\mathrm{j_s}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1\leq\mathrm{j_{ik}}\leq\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}\wedge$

$\mathrm{j}^{\mathrm{sa}}=\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{s}\wedge\mathrm{j}^{\mathrm{sa}}+\mathrm{s}-\mathrm{j_{sa}}\leq\mathrm{j_i}\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+\mathrm{j_{sa}}-\mathrm{s}=\mathbf{l_{sa}}\wedge$

$\mathrm{D}+\mathrm{s}-\mathbf{n}<\mathbf{l_i}\leq\mathrm{D}+\mathbf{l_{ik}}+\mathrm{s}-\mathbf{n}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}\wedge$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathrm{I}=\mathrm{Q5};>0\wedge$

$\mathrm{j_{sa}}\leq\mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}-1\wedge\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}=\mathrm{j_{sa}}-1\wedge\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}}<\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-1\wedge$

$\mathbf{s}\colon\left\{\mathrm{j}_{\mathrm{sa}}^{\mathrm{s}},\cdots,\mathbb{k}_1,\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}},\mathbb{k}_2,\mathrm{j_{sa}},\cdots,\mathrm{j}_{\mathrm{sa}}^{\mathrm{i}}\right\}\wedge$

$\mathrm{s}>4\wedge\mathbf{s}=\mathrm{s}+\mathrm{Q5};\wedge$

$\mathbb{k}_{\mathrm{z}}\colon\mathrm{z}=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

$$\mathrm{fz}\mathrm{S}_{\Rightarrow\mathrm{j_s},\mathrm{j_{ik}},\mathrm{j_i}}^{\mathrm{İSO}}=\sum_{\mathrm{k}=1}^{(\ )}\sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{=\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1}^{\mathrm{a}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{sa}}}\ \sum_{(\mathrm{j}^{\mathrm{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}^{(\mathbf{l_s}+\mathrm{j_{sa}}-1)}\ \sum_{\mathrm{j_i}=\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q5};}^{\mathrm{n}}\ \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)}\ \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\ \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{2}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+}\ \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})\ j_i}\ \sum_{-\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\text{n}}^{\text{n}}\ \sum_{\text{Q10;+Q5; }(n_{is}=}^{(n_i-j_s+}\ \sum_{\mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{-j_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}\ \sum_{n_s=\mathbf{n}-j_i+1}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_s}+j_{sa}-1)}\sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}\sum_{j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+}\sum_{-\mathbb{k}_1}$$

$$\sum_{(n_{sa}+j_{ik}-}^{(\ )}\sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\quad+j_{sa}-\quad-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\quad+j_s+\quad-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} \quad 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} \quad 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad + j_{sa}^{ik} - 1 \leq \quad \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \quad ^{sa} + s \quad \leq \quad \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \quad + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} \quad j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} \quad \leq D + \mathbf{l} \quad + s - \mathbf{n} - 1 \wedge$

$D \geq \quad n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - \quad \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\quad \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}
$$

$$
\sum_{(n_{sa}=j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i}^{(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s-j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_i - n_{ik} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{n}+j_{sa}-s)} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(n_{sa}-j^{sa}-n_s+1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s-\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{j^{sa} + j^{ik}_{sa} - j_{sa}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - D - s)}^{(\mathbf{l_s} + j_{sa} - 1)} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right)$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-1)!\cdot(j^{sa}+j_{sa}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D+\mathbf{n}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_{sa}-1}\sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{sa}})}\sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\ldots)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot\ldots-j_i)!}\Bigg)$$

$$\left(\sum_{k=1}^{\ldots}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\ldots}^{\ldots}\right.$$

$$\sum_{j_{ik}=\ldots+1}^{j^{sa}+j_s^{\ldots}}\ \sum_{(\ldots=\mathbf{l_{sa}}+\mathbf{n}-D)}^{j_{sa}-D-\ldots)}\ \sum_{j_i=\ldots+\mathbf{n}-D}^{\mathbf{n}}$$

$$\sum_{n_{\ldots}=10;+Q5;}^{n}\ \sum_{(n_{is}=\ldots-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}}}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j^{sa}+j_{sa}^{ik}-j_{sa}}\ \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D}^{(\mathbf{l_s}+j_{sa}-1)}\ \sum^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q}^{n}\ \sum^{(n_i-j_s}\ \sum^{n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=}\ \sum^{j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-\ )!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\mathbf{l_s} + j_{sa}^{ik} - 1} \sum_{(j^{sa} = \mathbf{l_s} + j_{sa})}^{(\mathbf{l_{sa}})} \sum_{j_i = j^{sa} + s - j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n}}^{n_{is} + j_s - j_{ik} - \mathbb{k}_2} \sum_{}^{}$$

$$\sum_{}^{(n_{ik} + j_{ik} \quad \mathbb{k}_2)} \sum_{n_s}^{j^{sa} - j_i} \sum_{}^{}$$

$$\sum_{(n_{sa} \quad j_{sa} + 1)}^{} \sum_{n_s = \mathbf{n} - j_i}^{}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{is} - j_s + 1)!} \cdot$$

$$\frac{n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}}^{(\mathbf{l_s}+j_{sa}-1)} \left(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}^{(n_i-j_s+1)}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\quad -I-j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_{sa}-j^{sa}\quad j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}\quad)!\cdot(j_s-2)!}$$

$$\frac{(D}{(D+\quad-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 < j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n}$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \quad = \mathbf{l_{ik}} \wedge \mathbf{l_i} + \quad sa - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq \quad + \mathbf{l_{sa}} + s - \mathbf{n} - \quad \wedge$

$D > \mathbf{n} < n \wedge \quad = Q5; > \quad \wedge$

$j_{sa} < j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \quad j_{sa} - 1 \quad s \quad j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \quad \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa} \quad \cdot, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = \quad Q5; \wedge$

$\mathbb{k}_2 = \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik}, j^{sa}, j_i}^{\text{İSO}} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_s}+j_{sa}-1)} \left(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - j_i)! \cdot (n_{sa} + j_i - s - j_{sa})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j^{sa}+\mathbf{l_{ik}}-\mathbf{l_{sa}}}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \Bigg) +$$

$$\left(\sum_{k=1}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \; \sum_{(j^{sa} = \mathbf{l_{ik}} + \mathbf{n} + j_{sa} - D - j_{sa}^{ik})}^{(\mathbf{l_i} + \mathbf{n} + j_{sa} - D - s - 1)} \; \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \; \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \; \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \; \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad\cdot(j_i+j_{sa}\quad s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{\quad}\sum_{(j_s=2)}^{\quad_{sa}^{ik}+1)}$$

$$\sum_{j_i=\quad}^{(\mathbf{l_s}\quad_{sa}-1)}\sum_{\quad+j_{sa}-D-s)}\quad\sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{\quad}^{n}\sum_{Q10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\mathbf{l_s})}\sum_{(j_s}$$

$$\sum_{j_{ik}=}\sum_{+\mathbf{l_{ik}}-\mathbf{l_{sa}}}\sum_{(\quad-\mathbf{l_s}+j_{sa})}^{\mathbf{n}}\sum_{j_i=}$$

$$\sum_{\quad Q10;+Q5;}^{n}\sum_{(n_{is}=}\sum_{\mathbb{k}-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1}$$

$$\sum_{j_{ik} = j^{sa} + \mathbf{l_{ik}} - \mathbf{l_{sa}}} \sum_{(j^{sa} = \mathbf{l_i} + \mathbf{n} + j_{sa} - \mathbf{l}}^{(\mathbf{l_s} + j_{sa} - 1)} \sum_{j^{sa} - j_{sa}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_i - j_s + 1}^{(} \sum_{+1)\ n_{ik}} \sum_{+j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} \quad _{ik} + j_{ik} - j} \sum_{\mathbb{k}_2)\ n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} \quad j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{l} \quad I)! \cdot (\mathbf{n} + \quad + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} \quad 1 \wedge \mathbf{l_s} \quad \mathbf{n} + \quad \wedge$

$1 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + \quad - s \wedge j^{sa} + \quad - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \quad + 1 > \quad _{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} \quad \mathbf{l_i} \leq D + \mathbf{l_s} + s - \mathbf{n} - 1 \wedge$

$\quad > \mathbf{n} < \quad \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_3)\ n_s^{j^{sa}-j_i}}
$$

$$
\frac{(n_i - n_{}}{(j_s - 2)! \cdot (}
$$

$$
\frac{}{(j_{ik} - j_s - 1)!}
$$

$$
\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa}\right)!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_s}+j_{sa})}^{(\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik})} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{sa} - n_{sa} - 1)!}{(j^{sa} - 1)! \cdot (n_{sa} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=\mathbf{l_{ik}}+j_{sa}-j_{sa}^{ik}+1)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j^{sa}-j^{sa}-1)!\cdot(n_{sa}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{sa}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_s}+j_{sa}-1)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\Bbbk_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \quad}{(D + j_i - \mathbf{n} - \mathbf{l_i}) \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \quad \wedge \mathbf{l_i} + j_{sa} \quad s = \mathbf{l_{sa}}$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j_s^{ik} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \quad j_{sa} < j_{sa} \quad 1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}, \cdots, j \quad) \wedge$

$s > 4 \wedge \mathbf{s} = s + \quad \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\Bbbk_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad \mathbf{l_i})!}{(\mathbf{D} \quad _i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}\cdot$$

$$\frac{(\quad\mathbf{l_i})!}{(D+j_{\quad}-\mathbf{n}-\mathbf{l_i})!\quad j_i)!}-$$

$$\sum_{(j_{\quad}\quad+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\quad)}$$

$$\sum_{=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}}\ \sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\quad)}\ \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i}^{(n_i-\quad 1)}\ \sum_{10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\quad)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < \quad \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa} = j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 = \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s > \mathbf{l_{sa}} \wedge$

$D+s-\mathbf{n} < \mathbf{l_i} \leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa} \wedge$

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$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{(\ )} \sum_{(j_s = j_{\mathbf{l_s}} - \mathbf{l_{ik}})} \right.
$$

$$
\sum_{j_{ik}=j_s^{ik}}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}
$$

$$
\sum_{-j_s+1)} \sum_{j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{n_i=Q10;+Q5} \sum_{i_s=\mathbf{n}+\mathbb{k}-1)}^{} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{j_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_{sa}+j^{sa}-j_i}
$$

$$
\sum_{n_{sa}=\mathbf{n}-j^{sa}+1)} \sum_{n_s=\mathbf{n}-j_i+1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

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$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_{s}^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}}^{} \sum_{n_s=\mathbf{n}-}^{j^{sa}+1)}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)! \cdot (n_{ik} - j_s + 1)!} \cdot$$

$$\frac{n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{sa}}+s-j_{sa}+1}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-1)!}{(j^{sa}-1)!\cdot(n_{sa}+j^{sa}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-1-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_s} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = \mathbf{l_i} + \mathbf{n} + j_{sa}^{ik} - D - s}^{\mathbf{l_{ik}}} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\ \ )} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)}^{(\ \ )} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq \mathrm{D} - \mathbf{n} + 1 \wedge$

$1 \leq \mathrm{j_s} \leq \mathrm{j_{ik}} - \mathrm{j_{sa}^{ik}} + 1 \wedge \mathrm{j_s} + \mathrm{j_{sa}^{ik}} - 1 \leq \mathrm{j_{ik}} \leq \mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} \wedge$

$\mathrm{j^{sa}} = \mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{s} \wedge \mathrm{j^{sa}} + \mathrm{s} - \mathrm{j_{sa}} \leq \mathrm{j_i} \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - \mathrm{j_{sa}^{ik}} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{sa}} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + \mathrm{j_{sa}} - \mathrm{s} = \mathbf{l_{sa}} \wedge$

$\mathrm{D} + \mathrm{s} - \mathbf{n} < \mathbf{l_i} \leq \mathrm{D} + \mathbf{l_{ik}} + \mathrm{s} - \mathbf{n} - \mathrm{j_{sa}^{ik}} \wedge$

$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5;} > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}\colon \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5;} \wedge$

$\mathbb{k}_z\colon \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$\mathrm{fz}S^{\dot{\mathrm{I}}\mathrm{SO}}_{\Rightarrow \mathrm{j_s}\ ,\mathrm{j_{ik}}\ ,\mathrm{j_i}} = \sum_{\mathrm{k}=1}^{(\ \ )} \sum_{(\mathrm{j_s}=\mathrm{j_{ik}}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{\mathrm{j_{i}}^{\mathrm{k}}+1}^{\mathbf{l_i}+\mathbf{n}^{\mathrm{k}}-\mathrm{D}-\mathrm{s}-1} \quad \sum_{(\mathrm{j^{sa}}=\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{D}-\mathrm{s})}^{(\mathbf{n}+\mathrm{j_{sa}}-\mathrm{s})} \quad \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;}+\mathrm{Q5;}}^{\mathrm{n}} \sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}-\mathrm{j_s}+1)}^{(\mathrm{n_i}-\mathrm{j_s}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j^{sa}}-\mathbb{k}_2)} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j^{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j^{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j^{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=j_{ik}+\mathbf{l_s}}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{}^{(\mathbf{n}+j_{sa}-s)} \sum_{}^{\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n} \sum_{(n_{is}=\mathbb{k}-j_s+1)}^{(n_i-j_s+1} \sum_{}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}-$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )}\ \sum_{\mathbf{l_i}-\mathbf{l_{sa}}}^{j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}_1}^{(n_i-j_s+1)}\ \sum_{n_{ik}=n_{is}+j_s-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=}^{(\ )}\ \sum_{+j^{sa}-j_i}$$

$$\frac{(n_i+\ +j_{sa}-\ -s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\ +j_s+\ -j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > \ \wedge \mathbf{l_s} \leq D-\mathbf{n}\ \wedge$

$1 \leq j_s \leq j_{ik}\ _{sa}^{ik}+1\ \wedge\ +j_{sa}^{ik}-1 \leq j_{ik} \leq j^{sa}+j_{sa}^{ik}-j_{sa}\ \wedge$

$j^{sa}=j_i+j_{sa}-s\ _{sa}+s-\ \leq\ \leq \mathbf{n}\ \wedge$

$\mathbf{l_{ik}}-j_s+1>\mathbf{l_s}\wedge\mathbf{l_{sa}}\ j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}\ <\ \leq D+\ +s-\mathbf{n}-1\ \wedge$

$D>\ \ n\wedge I=Q5;>0\wedge$

$j_{sa} \leq j_{sa}^{i}-\ \wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

$\mathbf{s}:\{\ \ ,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\}\wedge$

$s>4\wedge\mathbf{s}=s+Q5;\wedge$

$\mathbb{k}_z: z=2\wedge\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2\Rightarrow$

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$$
{}_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}_{i_2}-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\ \ ^{sa}+1)}^{(n_{ik}+j_{ik}\ \ \ \ )} \sum_{n_s=\mathbf{n}-j_i}^{n_s\ \ \ ^{sa}-j_i}
$$

$$
\frac{(n_{\cdot}-n_{is}-1)!}{(j_s-2)!\cdot(\ \ \ \ \ \ \ j_s+1)!}\cdot
$$

$$
\frac{n_s-n_{ik}\ \ \mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ \ n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_i\ \ -n_{sa}-1)!}{(j^{sa}\ \ j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot
$$

$$
\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot
$$

$$
\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot
$$

$$
\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+
$$

$$
\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(n_{sa} - j^{sa} - n_s + j_i - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s, j_{ik}, j^{sa}, j_i} = \left(\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}^{(\ )} \right.$$

$$\sum_{j_{ik} = j^{ik}_{sa} + 1}^{\mathbf{l_i} + \mathbf{n} + j^{ik}_{sa} - D - s - 1} \sum_{(j^{sa} = \mathbf{l_{sa}} + \mathbf{n} - D)}^{(\mathbf{l_{sa}})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10; + Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\left. \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \right)$$

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$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}$$

$$\frac{(\mathbf{l_s}-1)!}{(\mathbf{l_s}-j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-j_{sa}^{ik})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}$$

$$\frac{(D+\mathbf{n}-1)!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l}}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})}\ \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot\quad-j_i)!}\Bigg)$$

$$\sum_{k=1}^{\quad}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\quad}^{\quad}$$

$$\sum_{\mathbf{l_i}+\mathbf{n}+j_s-\quad}^{\quad}\ \sum_{(j_i+j_{sa}-\quad}^{\quad}\ \sum_{\mathbf{l_{sa}}+s-j_{sa}}^{\quad}$$

$$\sum_{j_{sa}^{ik}+1}^{\quad}\ \sum_{sa=\mathbf{l_{sa}}+\mathbf{n}-D)\ j_i-\mathbf{l_i}+\mathbf{n}-D}^{\quad}$$

$$\sum_{n}^{\quad}\ \sum_{(n_i-j_s+1}^{\quad}\ \sum_{n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{\quad}$$

$$\sum_{n_i-10;+Q5;\ (n_{is}=}^{\quad}\ \sum_{\mathbb{k}-j_s+1)\ n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{\quad}$$

$$\sum_{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+j^{sa}-j_i}^{\quad}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{\quad}\ \sum_{n_s=\mathbf{n}-j_i+1}^{\quad}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_i}}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \quad \sum_{(j^{sa} = \mathbf{l_{sa}}+\mathbf{n}}^{(\mathbf{l_{sa}})} \quad \sum_{\mathbf{l_{sa}}+1}^{\mathbf{n}}$$

$$\sum_{n_i = Q10;+Q}^{n} \quad \sum_{(n_i - j_s}^{} \quad \sum_{n_{is}+j_s-j_{ik}}^{}$$

$$\sum_{(n_{sa}=}^{} \quad \sum_{n_s=\mathbf{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

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$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}-\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{ik}+j_{ik}-\mathbb{k}_2)}^{} n_s^{j^{sa}-j_i}$$

$$\sum_{(n_{sa}=n_{isa}+1)}^{} \sum_{n_s=\mathbf{n}-j_i}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \left(\sum_{j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik}}^{(\ )}\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \left(\sum_{n_{is}=\mathbf{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}\right) \sum_{n_{ik}=n_{is}+j_s-j_{ik}}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=\ +j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-\ -j_s)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-\ -j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ }{(D+\ -\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \leq j_{ik} \leq j_{ik} + j_{sa}^{ik} - j_{sa}$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 > \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - \ = \mathbf{l_{ik}} \wedge \mathbf{l_i} - \ sa - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq \ + \mathbf{l_{sa}} + s - \mathbf{n} - \ \wedge$

$D \ \mathbf{n} < n \wedge \ = Q5; > \ \wedge$

$j_{sa} \ j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \ _{sa} - 1 \wedge \ < j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \ \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa} \ \cdot, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} = s \ Q5; \wedge$

$\mathbb{k}_2 \ = \ \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik}, j^{sa}, j_i}^{iSO} = \left(\sum_{k=1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}\right)$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \left(\sum_{j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}}}^{(\ )}\right) \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-\quad-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-\quad-1)!}{(\quad-j^{sa}-\quad)!\cdot(n_{sa}+j^{sa}-\quad-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\quad+j_i-\quad-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s\quad\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = \mathbf{l_{ik}} + \mathbf{n} - D}^{+\mathbf{n} + j_{sa}^{ik} - D - s - 1} \quad \sum_{(j^{sa} = j_{ik} + \mathbf{l_{sa}} - \mathbf{l_{ik}})}^{(\quad)} \quad \sum_{j_i = \mathbf{l_i} + \mathbf{n} - D}^{\mathbf{n}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \quad \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \quad \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \quad \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\cdot(j_i+j_{sa}-s)!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(j_{sa}^{ik}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}+\mathbf{n}+j_{sa}^{ik}}^{j_{sa}^{ik}-1}\sum_{j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )}\sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum^{n}\sum_{Q10;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\quad)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$$\sum_{\mathrm{k}=1}^{(\mathbf{l_s})}\sum_{(\mathrm{j_s}}$$

$$\sum_{\mathrm{j_{ik}}}^{\mathbf{l_{ik}}}\sum_{+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}}^{(\quad)}\sum_{(\mathrm{j}^{\mathrm{sa}}}^{\mathbf{n}}\sum_{+\mathbf{l_{sa}}-\mathbf{l_{ik}})\,\mathrm{j_i}-\quad}\sum_{\mathrm{j_{sa}}+1}$$

$$\sum_{}^{\mathrm{n}}\sum_{\mathrm{Q10};+\mathrm{Q5};\,(\mathrm{n_{is}}=}^{(\mathrm{n_i}-\mathrm{j_s}+}\sum_{\mathbb{k}-\mathrm{j_s}+1)\;\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{}^{}\sum_{\mathrm{ik}}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}^{\mathrm{sa}}-\mathbb{k}_2)}\sum_{(\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}\sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\mathrm{j_{ik}}-\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}{(\mathrm{j_s}+\mathbf{l_{ik}}-\mathrm{j_{ik}}-\mathbf{l_s})!\cdot(\mathrm{j_{ik}}-\mathrm{j_s}-\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j^{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j^{sa}}-\mathrm{s})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}\Bigg)-$$

$$\sum_{k=1}^{(\ \ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1}\ \sum^{(\ \ )}\ \sum\ \ -j_{sa}$$

$$\sum^{n}\ \sum^{(n_i-j_s+1)}\ \sum\ \ -j_{ik}-\mathbb{k}_1$$

$$\sum\ \ \sum^{(\ \ )}\ \sum_{(n_{sa}\ \ +j_{ik}-j^{s}\ \ )\ n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}\ \ ^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}\ \ I)!\cdot(\mathbf{n}+\ \ _s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}$$

$\mathrm{D}\geq\mathbf{n}<\mathrm{n}\wedge\mathbf{l_s}\ \ 1\wedge\mathbf{l_s}\leq\ \ -\mathbf{n}+\ \ \wedge$

$1\leq j_{\ \ }<j_{ik}-j_{sa}^{ik}+1\ \ j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{\ \ }-s\wedge j^{sa}+\ \ -j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-\ \ +1>\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$\mathrm{D}+\mathrm{s}-\mathbf{n}\ \ \mathbf{l_i}\leq\mathrm{D}+\mathbf{l_s}+\mathrm{s}-\mathbf{n}-1\wedge$

$\ \ \mathbf{n}\ \ \wedge\mathrm{I}=\mathrm{Q5};>0\wedge$

$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-1\wedge$

$\mathbf{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{sa}^{i}\right\}\wedge$

$\mathrm{s}>4\wedge\mathbf{s}=\mathrm{s}+\mathrm{Q5};\wedge$

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$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S^{\text{İSO}}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{\mathbf{n}+\mathbb{k}}^{n_{is}-j_{ik}-\mathbb{k}_1} \sum_{j_{ik}+1}^{}
$$

$$
\sum_{=\mathbf{n}-j^{sa}}^{(n_{ik}-j^{sa}-\mathbb{k}_2)\ n_{sa}+} \sum_{n_s=\mathbf{n}-j_i+1}^{j_i}
$$

$$
\frac{(n_i - n_{is}}{(j_s - 2)\cdot (n_i - n_{is} - j_s + 1)!}\cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 + 1)!}{(j_{ik} - j_s - 1)!\cdot (n_{ik} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}\cdot
$$

$$
\frac{(n_{ik} - n_{sa} - 1)!}{(j_{sa} - j_{ik} - 1)!\cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}\cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)!\cdot (n_{sa} + j^{sa} - n_s - j_i)!}\cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)!\cdot (\mathbf{n} - j_i)!}\cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)!\cdot (j_s - 2)!}\cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})!\cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}\cdot
$$

$$
\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})!\cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!}\cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})!\cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

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$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_i}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2)! \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_{\cdot} - n_{ik} - \mathbb{k}_{\cdot} - 1)!}{(j_{ik} - j_s - 1 \cdot \cdot \cdot i_{\cdot} - n_{\cdot} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{\cdot} - n_{sa} - 1)}{(j^{sa} - j_{\cdot} - 1)! \cdot (\cdot + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1 \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=\mathbf{l_s}+j_{sa}^{ik}}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - j_i + 1)! \cdot (n_{sa} + j_i - j_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_s}+j_{sa}^{ik}-1} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-\ !}$$

$$\frac{(D-\ }{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$$

$$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$$

$$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\ \wedge\mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}}$$

$$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{ik}}+s-\mathbf{n}-j_s^{ik}\wedge$$

$$D\geq\mathbf{n}<n\wedge I=Q5;>0\wedge$$

$$j_{sa}\leq j_{sa}^{i}-1\wedge j_{sa}^{ik}=j_{sa}-1\ j_{sa}<j_{sa}^{\ }-1\wedge$$

$$\mathbf{s}:\{j_{sa}^{s},\cdots,\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa},\cdots,j_{\ }\}\wedge$$

$$s>4\wedge\mathbf{s}=s+\ ;\wedge$$

$$\mathbb{k}_z:z=2\wedge\ =\mathbb{k}_1+\ \Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{İSO}=\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{n}+j_{sa}-s)}\sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!}$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!}$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa}}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad {}^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad \mathbf{l_i})!}{(\mathrm{D} \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - \mathrm{D} - s + 1)}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + \mathbf{l_{ik}} - \mathbf{l_s}}^{} \sum_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})}^{(\mathbf{n} + j_{sa} - s)} \sum_{j_i = j^{sa} + \mathbf{l_i} - \mathbf{l_{sa}}}^{}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = \mathbf{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum_{(n_{sa} = \mathbf{n} - j^{sa} + 1)}^{(n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = \mathbf{n} - j_i + 1}^{n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-}$$

$$\frac{(}{(D+j_s-\mathbf{n}-\mathbf{l_i})!}$$

$$\sum_{k=}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)}\sum_{}^{(D-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(}\sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=}^{(n_i-1)}\sum_{0;+Q5;\,(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D\geq\mathbf{n}<\ \wedge\ \mathbf{l_s}>1\wedge\mathbf{l_s}\leq D-\mathbf{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j^{sa}+j_{sa}^{ik}-j_{sa}\wedge$

$j^{sa}=j_i+j_{sa}-s\wedge j^{sa}+s-j_{sa}\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_i}+j_{sa}-s>\mathbf{l_{sa}}\wedge$

$D+s-\mathbf{n}<\mathbf{l_i}\leq D+\mathbf{l_{sa}}+s-\mathbf{n}-j_{sa}\wedge$

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$\mathrm{D} \geq \mathbf{n} < \mathrm{n} \wedge \mathrm{I} = \mathrm{Q5}; > 0 \wedge$

$\mathrm{j_{sa}} \leq \mathrm{j_{sa}^{i}} - 1 \wedge \mathrm{j_{sa}^{ik}} = \mathrm{j_{sa}} - 1 \wedge \mathrm{j_{sa}^{s}} < \mathrm{j_{sa}^{ik}} - 1 \wedge$

$\mathbf{s}: \left\{\mathrm{j_{sa}^{s}}, \cdots, \mathbb{k}_1, \mathrm{j_{sa}^{ik}}, \mathbb{k}_2, \mathrm{j_{sa}}, \cdots, \mathrm{j_{sa}^{i}}\right\} \wedge$

$\mathrm{s} > 4 \wedge \mathbf{s} = \mathrm{s} + \mathrm{Q5}; \wedge$

$\mathbb{k}_z: \mathrm{z} = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{\mathrm{fz}}\mathrm{S}^{\mathrm{İSO}}_{\Rightarrow \mathrm{j_s}\ ,\mathrm{j_{ik}},\mathrm{j^{sa}},\mathrm{j_i}} = \left(\sum_{\mathrm{k}=1}^{\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{s})} \sum_{=2)} \right.
$$

$$
\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathbf{l_{ik}}-\mathbb{k}_2}^{\mathbf{n}-\mathbf{l_i}+\mathbf{n}+\mathrm{j_{sa}}-\mathrm{j_{sa}})} \sum_{\mathrm{j_i}=\mathrm{j^{sa}}+\mathrm{s}-\mathrm{j_{sa}}}^{}
$$

$$
\sum_{\mathrm{n_i}-\mathrm{j_s}+1}^{\mathrm{n_{is}}-\mathrm{j_{ik}}-\mathbb{k}_1}
$$

$$
\sum_{\mathrm{n_i}=\mathrm{Q10};+\mathrm{Q}}^{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}+1)} \sum_{\mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{}
$$

$$
\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{j}-\mathbb{k}_2) \; \mathrm{n_{sa}}+\mathrm{j^{sa}}-\mathrm{j_i}
$$

$$
\sum_{\mathrm{n_{sa}}=\mathbf{n}-\mathrm{j^{sa}}+1)}^{} \sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}^{}
$$

$$
\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} - 2)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot
$$

$$
\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{\mathrm{_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j^{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j^{sa}})!} \cdot
$$

$$
\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j^{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j^{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot
$$

$$
\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot
$$

$$
\frac{\left(\mathbf{l_{sa}} + \mathrm{j_{sa}^{ik}} - \mathbf{l_{ik}} - \mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}} + \mathbf{l_{sa}} - \mathrm{j^{sa}} - \mathbf{l_{ik}})! \cdot (\mathrm{j^{sa}} + \mathrm{j_{sa}^{ik}} - \mathrm{j_{ik}} - \mathrm{j_{sa}})!} \cdot
$$

$$
\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +
$$

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$$\sum_{k=1}^{(\mathbf{l_{ik}}-j_{sa}^{ik}+1)} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_2-j_{ik}+1}$$

$$(n_{ik}+j_{ik}$$

$$\sum_{(n_{sa}=}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} + j_s - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=2)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(j_i+j_{sa}-s-1)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{sa}}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - 1)!}{(n_{sa} - j^{sa} - j_i)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{(\mathbf{l_{sa}})} \sum_{j_i=\mathbf{l_{sa}}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \mathbb{k}_2 - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbb{k}_2 - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_s - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{ik}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(j_i + j_{sa} - \mathbf{l_{sa}} - s)!}{(\mathbf{l_i} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - D - s + 1)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{\quad} - \mathbf{l_{ik}} - j_{sa} \quad}{(j_{ik} + \mathbf{l_{sa}} - \quad - \mathbf{l_{ik}})! \quad ^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l} \quad j_{sa} - \mathbf{l_{s}} \quad - s)!}{^{sa} + \mathbf{l_i} - j_i - \quad)! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\left. \frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} \right) -$$

$$\sum_{k=1}^{(\mathbf{l_{ik}} - j_{sa}^{ik} + 1)} \sum_{(j_s = \mathbf{l_i} + \mathbf{n} - D - s + 1)}$$

$$\sum_{j_{ik} = j_s + \mathbf{l_{ik}} - \mathbf{l_s}} \sum^{(\quad)}_{(j^{sa} = j_{ik} + j_{sa} - j_{sa}^{ik})} \sum_{j_i = j^{sa} + s - j_{sa}}$$

$$\sum_{n_i = Q10;+Q5;}^{n} \sum^{(n_i - j_s + 1)}_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)} \sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}$$

$$\sum^{(\quad)}_{(n_{sa} = n_{ik} + j_{ik} - j^{sa} - \mathbb{k}_2)} \sum_{n_s = n_{sa} + j^{sa} - j_i}$$

$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j_{sa}^{s})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j^{sa} + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j_{sa}^{ik} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j_{sa}^{ik} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i} - 1 \wedge j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s}^{İSO}{}_{,j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}
$$

$$
\sum_{j_{i}}^{s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}
$$

$$
\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{1\,(j_s=\mathbf{l_i}+\mathbf{n}-D-1)}^{(\quad)}\ \sum$$

$$\sum_{j_{ik}}^{(\mathbf{n}+j_{sa}-s)}\ \sum_{\mathbf{l_{ik}}-\mathbf{l_s}\ (j_{ik}+j_{sa}-j_{sa}^{ik})}^{\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{Q10;+Q5;\,(n_{is}=}^{n}\ \sum_{\mathbb{k}-j_s+1)}^{(n_i-j_s+}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{{}_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=1}\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}\sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )}\sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa})}^{(\ )}\sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} \geq 1 \wedge \mathbf{l_s} \leq D-\mathbf{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_{ik}+j_{sa}^{ik}-1 \leq j_i \leq j^{sa}+j_{sa}^{ik}-j_{sa} \wedge$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s-j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}}-j_s+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}=\mathbf{l_{ik}} \wedge \mathbf{l_i}+j_{sa}-s=\mathbf{l_{sa}} \wedge$

$D+s-\mathbf{n}-1 \leq D+\mathbf{l_s}+s-\mathbf{n}-1 \wedge$

$D \geq \mathbf{n} < n \wedge I=Q5; > 0 \wedge$

$j_{sa} \leq j_{sa}^{i}-1 \wedge j_{sa}^{ik}=j_{sa}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$\mathbf{s}: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s}=s+Q5; \wedge$

$\mathbb{k}_z: z=2 \wedge \mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

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$$
{}_{fz}S^{\dot{I}SO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}
$$

$$
\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l}}
$$

$$
\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}}^{n_{is}+j_s-j_{ik}-\mathbb{k}} \sum_{\mathbb{k}_2-j_{ik}+1}
$$

$$
\sum_{(n_{sa}=}^{(n_{ik}+j_{ik}} \sum_{n_s=\mathbf{n}-j_i}^{\mathbb{k}_2)\ n_s} \sum^{j^{sa}-j_i}
$$

$$
\frac{(n_i - n_{} - 1)!}{(j_s - 2)! \cdot (\quad n_{} - j_s + 1)!} \cdot
$$

$$
\frac{j_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{} - n_{sa} - 1)!}{(j_{} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot
$$

$$
\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot
$$

$$
\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +
$$

$$
\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{n}+j_{sa}^{ik}-s} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}
$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(n_{sa}-j^{sa}-n_s+j_i-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n_{sa}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_{ik}-j_s-\mathbf{l_{ik}}+\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\ -$$

$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ \ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ \ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^s_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^s_{sa})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{sa}} + s - \mathbf{n} - j_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^i_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^s_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^s_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^i_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \left(\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=}\sum_{=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})}\sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathrm{D}-\mathbf{l_i})!}{(\mathrm{D}+\mathrm{j_i}-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-\mathrm{j_i})!}+$$

$$\left(\sum_{k=1}^{\mathbf{l_i}+\mathbf{n}-\mathrm{D}-s}\sum_{\quad =2)}\right.$$

$$\sum_{\mathrm{j_{ik}=}}^{\mathrm{j_i}+\mathrm{j_{sa}}-s-1)}\sum_{\mathbf{l_s}\ (\mathrm{j^{sa}}=\mathbf{l_{sa}}-\mathrm{D})\ \mathrm{j_i}=\mathbf{l_i}+\mathbf{n}-\mathrm{D}}^{\mathrm{j_{sa}}}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;+}}^{\mathrm{n}}\sum_{(\mathrm{n_{is}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1)\ \mathrm{n_{ik}}=\mathbf{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}^{\mathrm{n_i}-\mathrm{j_s}\quad \mathrm{n_{is}}-\mathrm{j_{ik}}-\mathbb{k}_1}$$

$$\sum_{\quad \mathrm{sa}=\mathbf{n}-\mathrm{j}^{\mathrm{sa}}+1)}^{(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\quad -\mathbb{k}_2)\ \mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{j_i}}\sum_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i}-\mathrm{n_{is}}-1)!}{(\mathrm{j_s}-2)!\cdot(\mathrm{n_i}-\mathrm{n_{is}}-\mathrm{j_s}+1)!}\cdot$$

$$\frac{(\mathrm{n_{is}}-\mathrm{n_{ik}}-\mathbb{k}_1-1)!}{(\quad -\mathrm{j_s}-1)!\cdot(\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{n_{ik}}-\mathrm{j_{ik}}-\mathbb{k}_1)!}\cdot$$

$$\frac{(\mathrm{n_{ik}}-\mathrm{n_{sa}}-1)!}{(\mathrm{j}^{\mathrm{sa}}-\mathrm{j_{ik}}-1)!\cdot(\mathrm{n_{ik}}+\mathrm{j_{ik}}-\mathrm{n_{sa}}-\mathrm{j}^{\mathrm{sa}})!}\cdot$$

$$\frac{(\mathrm{n_{sa}}-\mathrm{n_s}-1)!}{(\mathrm{j_i}-\mathrm{j}^{\mathrm{sa}}-1)!\cdot(\mathrm{n_{sa}}+\mathrm{j}^{\mathrm{sa}}-\mathrm{n_s}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathrm{n_s}-1)!}{(\mathrm{n_s}+\mathrm{j_i}-\mathbf{n}-1)!\cdot(\mathbf{n}-\mathrm{j_i})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\mathrm{j_s})!\cdot(\mathrm{j_s}-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathbf{l_{ik}}-\mathrm{j_{sa}}\right)!}{(\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathbf{l_{ik}})!\cdot(\mathrm{j}^{\mathrm{sa}}+\mathrm{j}_{\mathrm{sa}}^{\mathrm{ik}}-\mathrm{j_{ik}}-\mathrm{j_{sa}})!}\cdot$$

$$\frac{(\mathbf{l_i}+\mathrm{j_{sa}}-\mathbf{l_{sa}}-\mathrm{s})!}{(\mathrm{j}^{\mathrm{sa}}+\mathbf{l_i}-\mathrm{j_i}-\mathbf{l_{sa}})!\cdot(\mathrm{j_i}+\mathrm{j_{sa}}-\mathrm{j}^{\mathrm{sa}}-\mathrm{s})!}\cdot$$

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$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{(\mathbf{l_{sa}})}\sum_{(j^{sa}=\mathbf{l_{sa}}+\mathbf{n}-D)}^{\mathbf{n}}\sum_{j_i=}^{+s-j_{sa}+1}$$

$$\sum_{n_i=Q10;+Q5;}^{n}\sum_{(n_{is}=\mathbf{n}}^{(n_i-j_s+1)}\sum_{j_s+1)}^{n_{is}+}\sum_{n_{ik}=}^{j_{ik}-\mathbb{k}_1}\sum_{k}^{k+1}$$

$$\sum_{(n_{sa}}^{(n_{ik}+j_{ik}}\sum_{a+1)}^{sa}\sum_{=\mathbf{n}-j_i+1}^{-\mathbb{k}_2)\ n_{sa}+j^{sa}}$$

$$\frac{(n_i-n_{is}-1)!}{(-2)!\cdot(-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-k-\mathbb{k}_1-1)!}{(j_{ik}-1)!\cdot(n+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(ik-n_{sa}-1)!}{a-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-s)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

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$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{l_{sa}})} \sum_{j_i=j^{sa}+s-j_{sa}+1}^{\mathbf{n}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}}$$

$$(n_{ik}+j_{ik}-\mathbb{k}_2)\ n_s=j^{sa}-j_i$$

$$\sum_{(n_{sa}=j^{sa}+1)}^{} \sum_{n_s=\mathbf{n}-j}^{}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_s - 2)!\ (n_{ik} - j_s + 1)!} \cdot$$

$$\frac{n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)!\ (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j_{ik} - j_{ik} - 1)!\ (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(\mathbf{l_i} + j_{sa} - \mathbf{l_{sa}} - s)!}{(j^{sa} + \mathbf{l_i} - j_i - \mathbf{l_{sa}})! \cdot (j_i + j_{sa} - j^{sa} - s)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

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$$\sum_{j_{ik}=j_s+\mathbf{l_{ik}}-\mathbf{l_s}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}\ldots}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=\ldots+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}\ldots-I-j\ldots)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}+\ldots+j_{sa}-j^{s\ldots}\ldots j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-\ldots)!\cdot(j_s-2)!}$$

$$\frac{(D\ldots}{(D\ldots-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D-\mathbf{n}+1 \ldots$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}\ldots \leq j_{ik} \leq \ldots+j_{sa}^{ik}-j_{sa}$

$j^{sa}=j_i+j_{sa}-s \wedge j^{sa}+s\ldots j_{sa} \leq j_i \leq \mathbf{n}\ldots$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1 > \mathbf{l_s} \wedge \mathbf{l_{sa}}+j_{sa}^{ik}-\ldots=\mathbf{l_{ik}} \wedge \mathbf{l_i}\ldots_{sa}-s > \mathbf{l_{sa}} \wedge$

$D+s-\mathbf{n} < \mathbf{l_i} \leq \ldots+\mathbf{l_{sa}}+s-\mathbf{n}\ldots \wedge$

$D\ldots\mathbf{n} < n \wedge \ldots=Q5;>\ldots\wedge$

$j_{sa}\ldots j_{sa}^{i}-1 \wedge j_{sa}^{ik}\ldots_{sa}-1 \ldots{}^{s}\ldots j_{sa}^{ik}-1 \wedge$

$\mathbf{s}:\{j_{sa}^{s},\ldots\mathbb{k}_1,j_{sa}^{ik},\mathbb{k}_2,j_{sa}\ldots,j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s}=\ldots Q5;\wedge$

$\mathbb{k}_{\ldots}=\ldots\mathbb{k}=\mathbb{k}_1+\mathbb{k}_2 \Rightarrow$

$${}_{fz}S^{İSO}_{\Rightarrow j_s,j_{ik},j^{sa},j_i}=\left(\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}\right.$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\ )} \sum_{j_i=j^{sa}+s-j_{sa}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j^{sa} - j^{sa} - 1)! \cdot (n_{sa} + j_i - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_i=j^{sa}+s-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

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$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - \quad)!} \cdot$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_{sa} + j^{sa} \quad n_s - j_i)!} \cdot$$

$$\frac{\quad - 1)!}{(n_s + \quad - \mathbf{n} - 1) \quad - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} \quad)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} \quad \mathbf{l_s} - j_{sa}^{ik} \quad)}{(j_s + \mathbf{l_{ik}} \quad j_{ik} - \mathbf{l_s} \quad (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D \quad \mathbf{l_i})!}{(D + \quad - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!}\Bigg) +$$

$$\left(\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_{ik}} + \mathbf{n} - D - j_{sa}^{ik})} \right.$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{(\quad)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!} \cdot$$

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$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-1)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\mathbf{l_i}+j_{sa}-\quad s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_s}\quad)!\cdot(j_i+j_{sa}\quad -s)!}\cdot$$

$$\frac{(\quad-\mathbf{l_i})!}{\quad-\mathbf{n}-\quad)!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{\quad=1}^{\quad}\ \sum_{(j_s=2)}^{(\quad-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\mathbf{l_{ik}}}^{\mathbf{l_{ik}}}\ \sum_{(\quad)}^{(\quad)}\ \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum_{\quad Q10;+Q5;}^{\mathbf{n}}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_i}+j_{sa}-\mathbf{l_{sa}}-s)!}{(j^{sa}+\mathbf{l_i}-j_i-\mathbf{l_{sa}})!\cdot(j_i+j_{sa}-j^{sa}-\quad)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=}^{(\mathbf{l_s})}\ \sum_{=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}}^{}$$

$$\sum_{j_{}^{}+j_{sa}^{ik}-1}^{j_i+j_{}^{}}\ \sum_{(\quad)=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})}^{}\ \sum_{j_{}^{}+\mathbf{n}-D}^{\mathbf{l_{ik}}+s-j_{sa}^{ik}}$$

$$\sum_{n_{}^{}10;+Q5;\,(n_{is}=}^{n}\ \sum_{\mathbb{k}-j_s+1)}^{(n_i-j_s+1}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j_i-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

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$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!} +$$

$$\sum_{\mathrm{k}=1}^{} \sum^{(\mathbf{l_s})}_{(\mathrm{j_s}=\mathbf{l_{ik}}+\mathbf{n}-\mathrm{D}-\mathrm{j}^{\mathrm{ik}}_{\mathrm{sa}}+1}$$

$$\sum_{\mathrm{j_{ik}}=\mathrm{j_s}+\mathrm{j}^{\mathrm{ik}}_{\mathrm{sa}}-1}^{\mathbf{l_{ik}}} \sum^{(\quad)}_{(\mathrm{j^{sa}}=\mathrm{j_{ik}}+\mathbf{l_{sa}}-\mathbf{n}} \sum^{\mathbf{n}}_{+\mathrm{s}^{\mathrm{ik}}_{\mathrm{sa}}+1}$$

$$\sum_{\mathrm{n_i}=\mathrm{Q10;}+\mathrm{Q}}^{\mathrm{n}} \sum^{(\mathrm{n_i}-\mathrm{j_s}}_{\mathrm{i}+1)} \sum^{\mathrm{n_{is}}+\mathrm{j_s}-\mathrm{j_{ik}}}_{\mathrm{n}+\mathbb{k}_2-\mathrm{j_{ik}}+1}$$

$$\sum_{(\mathrm{n_{sa}}=\mathbf{n}}^{} \sum^{}_{\mathrm{n_s}=\mathbf{n}-\mathrm{j_i}+1}$$

$$\frac{(\mathrm{n_i} - \mathrm{n_{is}} - 1)!}{(\mathrm{j_s} -)! \cdot (\mathrm{n_i} - \mathrm{n_{is}} - \mathrm{j_s} + 1)!} \cdot$$

$$\frac{(\mathrm{n_{is}} - \mathrm{n_{ik}} - \mathbb{k}_1 - 1)!}{(\mathrm{j_{ik}} - \mathrm{j_s} - 1)! \cdot (\mathrm{n_{is}} + \mathrm{j_s} - \mathrm{n_{ik}} - \mathrm{j_{ik}} - \mathbb{k}_1)!} \cdot$$

$$\frac{(\mathrm{n_{ik}} - \mathrm{n_{sa}} - 1)!}{(\mathrm{j^{sa}} - \mathrm{j_{ik}} - 1)! \cdot (\mathrm{n_{ik}} + \mathrm{j_{ik}} - \mathrm{n_{sa}} - \mathrm{j^{sa}})!} \cdot$$

$$\frac{(\mathrm{n_{sa}} - \mathrm{n_s} - 1)!}{(\mathrm{j_i} - \mathrm{j^{sa}} - 1)! \cdot (\mathrm{n_{sa}} + \mathrm{j^{sa}} - \mathrm{n_s} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathrm{n_s} - 1)!}{(\mathrm{n_s} + \mathrm{j_i} - \mathbf{n} - 1)! \cdot (\mathbf{n} - \mathrm{j_i})!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - \mathrm{j_s})! \cdot (\mathrm{j_s} - 2)!} \cdot$$

$$\frac{\left(\mathbf{l_{ik}} - \mathbf{l_s} - \mathrm{j}^{\mathrm{ik}}_{\mathrm{sa}} + 1\right)!}{(\mathrm{j_s} + \mathbf{l_{ik}} - \mathrm{j_{ik}} - \mathbf{l_s})! \cdot (\mathrm{j_{ik}} - \mathrm{j_s} - \mathrm{j}^{\mathrm{ik}}_{\mathrm{sa}} + 1)!} \cdot$$

$$\frac{(\mathbf{l_i} + \mathrm{j_{sa}} - \mathbf{l_{sa}} - \mathrm{s})!}{(\mathrm{j^{sa}} + \mathbf{l_i} - \mathrm{j_i} - \mathbf{l_{sa}})! \cdot (\mathrm{j_i} + \mathrm{j_{sa}} - \mathrm{j^{sa}} - \mathrm{s})!} \cdot$$

$$\frac{(\mathrm{D} - \mathbf{l_i})!}{(\mathrm{D} + \mathrm{j_i} - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - \mathrm{j_i})!}\Bigg) -$$

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$$\sum_{k=1}^{(\mathbf{l_s})} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j^{sa}=j_{ik}+\mathbf{l_{sa}}-\mathbf{l_{ik}})} \sum_{j_i=j^{sa}+s-j}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}} -j_{ik}-\mathbb{k}_1$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-}^{(\ )} \sum_{-\mathbb{k}_2)} \sum_{n_s=n_{sa}+j}$$

$$\frac{(n_i + j_s \quad j^{sa} - s \quad - j_{sa}^{s})!}{(\quad - \mathbf{n} - I)! \cdot (\quad + j_s + 1) \quad j^{sa} - s - j_{sa}^{s})!} \cdot$$

$$\frac{(\mathbf{l_s}-2)!}{-j_s)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D \quad j_i-\mathbf{n}-\mathbf{l_i})! \cdot (\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \quad - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} \quad 1 \leq j_{ik} \leq j \quad + j_{sa}^{ik} - j_{sa} \wedge$

$j^{sa} = \quad + j_{sa} - s \wedge \quad + s - j_{sa} \leq j_i \quad \mathbf{n} \wedge$

$\mathbf{l} \quad - j_{sa}^{ik} + 1 \quad \wedge \mathbf{l_{sa}} + \quad - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + \quad - \mathbf{n} < \mathbf{l_i} \leq \quad \mathbf{l_s} + s \quad 1 \wedge$

$D \geq \mathbf{n} \quad \wedge I = Q5; > \quad \wedge$

$j_{sa} \leq j \quad - 1 \quad - \quad - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \quad , \cdots, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}, \cdots, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \mathbf{s} \quad s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\mathbf{l_i}+\mathbf{n}-D-s)} \sum_{(j_s=2)}$$

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$$\sum_{j_{ik}=\mathbf{l_{ik}}+\mathbf{n}-D}^{\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s-1} \sum_{(j^{sa}=\mathbf{l_i}+\mathbf{n}+j_{sa}-D-s)}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-}$$

$$\frac{(n_i - 1)}{(j_s - 2 \cdot (n_i - n_{is}} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_{} - 1)!}{(j_{ik} - j_s - 2 + j_s - j_{} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{} - n_{sa} - }{(j^{sa} - 1)! \cdot (+ j_{ik} - n_{sa} - j^{sa})!} \cdot$$

$$\frac{(n_{sa} - n_{} + 1)!}{(j_i - j^{sa} - 1 \cdot (n_{sa} + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \mathbf{l_{ik}} - j_{ik} - \mathbf{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} + j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + \mathbf{l_{sa}} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1} \sum_{(j_s=2)}^{(\mathbf{l_i}+\mathbf{n}-D-s)}$$

$$\sum_{j_{ik}=\mathbf{l_i}+\mathbf{n}+j_{sa}^{ik}-D-s}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

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$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_{sa}-j^{sa}+1)!}\cdot$$

$$\frac{(n_{sa}-n_s-1)!}{(j^{sa}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_{ik}}-\mathbf{l_s}-j_{sa}^{ik}+1)!}{(j_s+\mathbf{l_{ik}}-j_{ik}-\mathbf{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa})!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}+$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})} \sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\mathbf{l_{ik}}} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\mathbf{n}+j_{sa}-s)} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

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$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}$$

$$\frac{(n_{ik} - n_{sa} - 1)!}{(j^{sa} - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_{sa} - j^{sa})!}$$

$$\frac{(n_{sa} - n_s - 1)!}{(j_i - j^{sa} - 1)! \cdot (n_s + j^{sa} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_{ik}} - \mathbf{l_s} - j_{sa}^{ik} + 1)!}{(j_s - \mathbf{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\mathbf{l_{sa}} - j_{sa}^{ik} - \mathbf{l_{ik}} - j_{sa})!}{(j_{ik} + j_{sa}^{ik} - j^{sa} - \mathbf{l_{ik}})! \cdot (j^{sa} + j_{sa}^{ik} - j_{ik} - j_{sa})!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_s=\mathbf{l_i}+\mathbf{n}-D-s+1)}^{(\mathbf{l_s})}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j^{sa}=j_{ik}+j_{sa}-j_{sa}^{ik})}^{(\ )} \sum_{j_i=j^{sa}+\mathbf{l_i}-\mathbf{l_{sa}}}^{}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}^{}$$

$$\sum_{(n_{sa}=n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}^{(\ )} \sum_{n_s=n_{sa}+j^{sa}-j_i}^{}$$

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$$\frac{(n_i + j_s + j_{sa} - j^{sa} - s - I - j^{s}_{sa})!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s + j_{sa} - j^{sa} - s - j^{s}_{sa})!}\cdot$$

$$\frac{(\mathbf{l_s} - 2)!}{(\mathbf{l_s} - j_s)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > 1 \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j^{sa} + j^{ik}_{sa} - j_{sa} \wedge$

$j^{sa} = j_i + j_{sa} - s \wedge j^{sa} + s - j_{sa} \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j^{ik}_{sa} + 1 = \mathbf{l_s} \wedge \mathbf{l_{sa}} + j^{ik}_{sa} - j_{sa} > \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s = \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_{ik}} + s - \mathbf{n} - j^{ik}_{sa} \wedge$

$D \geq \mathbf{n} < n \wedge I = Q5; > 0 \wedge$

$j_{sa} \leq j^{i}_{sa} - 1 \wedge j^{ik}_{sa} = j_{sa} - 1 \wedge j^{s}_{sa} < j^{ik}_{sa} - 1 \wedge$

$\mathbf{s}: \left\{j^{s}_{sa}, \cdots, \mathbb{k}_1, j^{ik}_{sa}, \mathbb{k}_2, j_{sa}, \cdots, j^{i}_{sa}\right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + Q5; \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{İSO}_{\Rightarrow j_s\ ,j_{ik},j^{sa},j_i} = \sum_{k=1}^{(\ )} \sum_{(j_s = j_{ik} + \mathbf{l_s} - \mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j^{sa}+j^{ik}_{sa}-j_{sa}} \sum^{(\ )}_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})} \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{l_{ik}}+s-j^{ik}_{sa}}$$

$$\sum_{n_i=Q10;+Q5;}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!}\cdot$$

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$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}$$

$$\frac{(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{sa})!}\cdot$$

$$\frac{(-\mathbf{l_i})!}{-\mathbf{n}-!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{=1}^{)}\ \sum_{(j_s=j_{ik}+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}+}^{\mathbf{l_{ik}}}\ \sum_{=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}^{(\ )}\ \sum_{j_i=\mathbf{l_{ik}}+s-j_{sa}^{ik}+1}^{\mathbf{n}}$$

$$\sum_{Q10;+Q5;}^{n}\ \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_{ik}=\mathbf{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum_{(n_{sa}=\mathbf{n}-j^{sa}+1)}^{(n_{ik}+j_{ik}-j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\mathbb{k}_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{ik}-n_{sa}-1)!}{(j^{sa}-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_{sa}-j^{sa})!}\cdot$$

$$\frac{(n_{sa}-n_{s}-1)!}{(j_{i}-j^{sa}-1)!\cdot(n_{sa}+j^{sa}-n_{s}-j_{i})!}\cdot$$

$$\frac{(n_{s}-1)!}{(n_{s}+j_{i}-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

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$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\mathbf{l_{sa}}+j_{sa}^{ik}-\mathbf{l_{ik}}-j_{sa}\right)!}{(j_{ik}+\mathbf{l_{sa}}-j^{sa}-\mathbf{l_{ik}})!\cdot(j^{sa}+j_{sa}^{ik}-j_{ik}-j_{sa})!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

$$\sum_{k=1}^{(\ )}\sum_{(j_s=j_{\ }+\mathbf{l_s}-\mathbf{l_{ik}})}$$

$$\sum_{j_{ik}=j^{sa}+j_{sa}^{ik}-j_{\ }}\ \sum^{(\ )}_{(j^{sa}=j_i+\mathbf{l_{sa}}-\mathbf{l_i})}\ \sum_{\ +\mathbf{n}+s-D-j_{sa}}$$

$$\sum_{n_i=Q10;+Q5_{\ }=\mathbf{n}+\mathbb{k}-}^{n}\ \sum^{(\ )}_{(\ )}\ \sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1}$$

$$\sum^{(\ )}_{(n_{sa}=n_{i\ }\ -j^{sa}-\mathbb{k}_2)}\ \sum_{n_s=n_{sa}+j^{sa}-j_i}$$

$$\frac{(n_i+j_s+j_{sa}-j^{sa}-s-I-j_{sa}^{s})!}{(n_{i\ }-\ -I)!\cdot(\mathbf{n}+j_s+j_{sa}-j^{sa}-s-j_{sa}^{s})!}\cdot$$

$$\frac{(\mathbf{l_s}-2)!}{(\mathbf{l_s}-j_s)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}$$

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DİZİN

B

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.2.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.3.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.1.1.1/153-154
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/162-163
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/210
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.2.1/153-154
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.2.1/162-163
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/210
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.3.1/153-154
ilk düzgün simetrik olasılık, 2.3.2.2.1.1.3.1/162-163
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/210
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.1.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.2.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.1.4.3.1/3-4
ilk düzgün simetrik olasılık, 2.3.2.2.1.4.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.4.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu

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simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.1.1.1/156-157

ilk düzgün simetrik olasılık, 2.3.2.2.1.1.1.1/165

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.1.2.1/156-157

ilk düzgün simetrik olasılık, 2.3.2.2.1.1.2.1/165

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.1.3.1/156-157

ilk ilk düzgün simetrik olasılık, 2.3.2.2.1.1.3.1/165

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/215

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.6.1.1/3-4

ilk düzgün simetrik olasılık, 2.3.2.2.1.6.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.6.2.1/3-4

ilk düzgün simetrik olasılık, 2.3.2.2.1.6.2.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.1.6.3.1/3-4

ilk düzgün simetrik olasılık, 2.3.2.2.1.6.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.6.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.1.1.1.1/77

ilk düzgün simetrik olasılık, 2.3.2.1.1.1.1.1/61

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.1.1/106

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna

ilk simetrik olasılık, 2.3.2.1.1.1.2.1/77

ilk düzgün simetrik olasılık, 2.3.2.2.1.1.2.1/61

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.2.1/106

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.1.1.3.1/77

ilk ilk düzgün simetrik olasılık, 2.3.2.2.1.1.3.1/61

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.1.1.3.1/106

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.1.1.1/4

ilk düzgün simetrik olasılık, 2.3.2.2.2.1.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.1.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

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ilk simetrik olasılık, 2.3.2.1.2.1.2.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.1.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.1.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.1.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.1.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.1.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.2.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.2.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.2.1.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.2.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.2.2.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.2.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.2.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.2.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.4.1.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.4.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.4.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.4.2.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.4.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.4.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.4.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.4.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.4.3.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.6.1.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.6.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.6.1.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.2.6.2.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.6.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.6.2.1/4
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

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ilk simetrik olasılık, 2.3.2.1.2.6.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.6.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.6.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.2.7.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.2.7.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.2.7.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.1.1.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.1.1.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.1.2.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.1.2.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.1.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.1.3.1/4-5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.2.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.2.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.3.2.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.3.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.3.2.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz 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

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ilk simetrik olasılık, 2.3.2.1.4.1.1.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.4.1.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.4.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.4.1.2.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.4.1.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.4.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.4.1.3.1/4
ilk düzgün simetrik olasılık, 2.3.2.2.4.1.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.4.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.4.1.1.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.4.1.2.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.4.1.3.1/701-702

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.1.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.5.1.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.1.1.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.1.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.5.1.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.1.2.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.1.3.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.5.1.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.1.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.2.1.1/6-7
ilk düzgün simetrik olasılık, 2.3.2.2.5.2.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.2.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.2.2.1/6-7
ilk düzgün simetrik olasılık, 2.3.2.2.5.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.5.2.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.5.2.3.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.5.2.3.1/3-4

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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, 2.3.2.3.8.2.1.1/6-7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.2.1/6-7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

ilk simetrik olasılık, 2.3.2.1.8.2.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.8.2.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız 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, 2.3.2.2.6.1.1.1/5-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.6.1.2.1/5

ilk düzgün simetrik olasılık, 2.3.2.2.6.1.2.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.6.1.3.1/5

ilk düzgün simetrik olasılık, 2.3.2.2.6.1.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.6.2.1.1/6

ilk düzgün simetrik olasılık, 2.3.2.2.6.2.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.2.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.6.2.2.1/6

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ilk düzgün simetrik olasılık, 2.3.2.2.6.2.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.2.2.1/8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.2.3.1/4-5
ilk düzgün simetrik olasılık, 2.3.2.2.6.2.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.2.3.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.4.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.4.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.4.1.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.4.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.4.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.4.2.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.4.3.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.4.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.4.3.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.6.1.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.6.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.6.1.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.6.2.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.6.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.6.2.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.6.3.1/5
ilk düzgün simetrik olasılık, 2.3.2.2.6.6.3.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.6.3.1/5
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.7.1.1/6
ilk düzgün simetrik olasılık, 2.3.2.2.6.7.1.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.7.1.1/8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.6.7.2.1/6
ilk düzgün simetrik olasılık, 2.3.2.2.6.7.2.1/3-4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.6.7.2.1/8
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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

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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, 2.3.2.3.9.2.3.1/5

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

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ilk simetrik olasılık, 2.3.2.1.9.6.3.1/5
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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı
ilk simetrik olasılık, 2.3.2.1.9.7.1.1/6
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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı
ilk simetrik olasılık, 2.3.2.1.9.7.2.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.9.7.2.1/7
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı
ilk simetrik olasılık, 2.3.2.1.9.7.3.1/4
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.9.7.3.1/5
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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre
ilk simetrik olasılık, 2.3.2.1.7.1.2.1/5
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ilk simetrik olasılık, 2.3.2.1.7.1.3.1/5
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ilk simetrik olasılık, 2.3.2.1.7.2.2.1/7
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ilk simetrik olasılık, 2.3.2.1.7.2.3.1/5
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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

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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

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.7.6.3.1/5

ilk düzgün simetrik olasılık, 2.3.2.2.7.6.3.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.6.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.7.7.1.1/7

ilk düzgün simetrik olasılık, 2.3.2.2.7.7.1.1/3-4

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.7.7.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

ilk simetrik olasılık, 2.3.2.1.7.7.2.1/7

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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

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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

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.1.2.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.2.1/5-6
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.1.3.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.1.3.1/5-6
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.2.1.1/7
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.1.1/7-8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.2.2.1/7
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.2.1/7-8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.2.3.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.2.3.1/5-6
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.4.1.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.4.1.1/7-8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.4.2.1/5
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.4.2.1/7-8
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.4.3.1/5
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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.10.6.1.1/5
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ilk simetrik olasılık, 2.3.2.1.10.6.2.1/5
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ilk simetrik olasılık, 2.3.2.1.10.6.3.1/5
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ilk simetrik olasılık, 2.3.2.1.10.7.1.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.10.7.2.1/7

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.10.7.3.1/5

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.10.7.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.1.1.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.1.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.1.2.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.2.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.1.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.1.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.2.1.1/8-9

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.1.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.2.2.1/8

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.2.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.2.3.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.2.3.1/6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.4.1.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.1.1/9

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

ilk simetrik olasılık, 2.3.2.1.11.4.2.1/6

ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.2.1/9

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.11.4.3.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.4.3.1/9
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.11.6.1.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.6.1.1/9
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ilk simetrik olasılık, 2.3.2.1.11.6.2.1/6
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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.11.6.3.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.6.3.1/9
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı
ilk simetrik olasılık, 2.3.2.1.11.7.1.1/8-9
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.7.1.1/9
Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı
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ilk simetrik olasılık, 2.3.2.1.11.7.3.1/6
ilk düzgün olmayan simetrik olasılık, 2.3.2.3.11.7.3.1/6

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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 herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı ilk düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı 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 herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı 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 hiç kaynak kullanılmamıştır.

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