VDOİHİ

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

Cilt 2.3.3.3.9.1.1.24

İsmail YILMAZ

2023

VDOİHİ 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 tek kalan düzgün olmayan simetrik olasılık Cilt 2.3.3.3.9.1.1.24

İsmail YILMAZ

Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

DÜZELTME

Bu cilt için

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i}$$

simgesi yerine

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i}^{DOST}$$

simgesi olmalı.

d

Yazar Hakkında

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

VDOİHİ

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

VDOİHİ'de Olasılık;

- ✓ Makinaların insan gibi düşünebilmesini, karar verebilmesini ve davranabilmesini sağlayacak gerçek yapay zekayla ilişkilendirilmiştir.

- ✓ Dillerin matematik yapısı olduğu gösterilmiştir.

- ✓ Tüm tabanlarda, tüm dağılım türlerinde ve istenildiğinde dağılım türü ve tabanı değiştirerek çalışabilecek elektronik teknolojisinin temelidir.

- ✓ Teorik kabullerle genetikle ilişkilendirilmiştir.

- ✓ Bilgi merkezli değerlendirme yöntemidir.

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

f

İÇİNDEKİLER

Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

$\imath$: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

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

$_i l$: simetrinin ilk bağımlı durumunun, bağımlı olasılık farklı dizilimsiz dağılımın son olayı için sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırası

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

l_s: simetrinin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırası

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

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

$_{fz}S_{j_i}^{DST}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

$_{fz}S_{j_i,0}^{DST}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

$_{fz}S_{j_i,D}^{DST}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

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

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

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

$_{fz}S^{DST}_{j^{sa}}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı tek kalan simetrik olasılık

$_{fz}S^{DST}_{j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı tek kalan simetrik olasılık

$_{fz}S^{DST}_{j^{sa},D}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı tek kalan simetrik olasılık

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

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

$_{fz,0}S^{DST}_{j_s,j_i,0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

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

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

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

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

durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

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

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E2

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

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

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

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

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

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 VDOSFİ Cilt-1'de çıkarılan eşitliklerle birleştirilerek, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımların yeni eşitlikleri elde edilecektir. Eşitlikleri adlandırılmasında bağımlı olasılıklı farklı dizilimsiz dağılımlarda kullanılan adlandırmalar kullanılacaktır. Bu adların sonuna simetrinin bağımlı ve bağımsız durumlarına göre ve dağılımın bağımsız veya bağımlı durumla başlamasına göre "Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı/bağımsız-bağımlı/bağımlı-bir bağımsız/bağımlı-bağımsız/bağımsız-bağımsız durumlu /bağımsız/bağımlı" kelimeleri getirilerek, simetrinin bağımlı durumların bulunabileceği olaylara göre bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz adları elde edilecektir. Simetriden seçilen durumların bulunabileceği olaylara göre simetrik, düzgün simetrik veya düzgün olmayan simetrik olasılık için birden fazla ad kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

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

Bu ciltte bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı tek kalan düzgün olmayan simetrik olasılığın eşitlikleri verilmektedir.

SİMETRİDEN SEÇİLEN ÜÇ DURUMDAN SON İKİ DURUMA BAĞLI TEK KALAN DÜZGÜN OLMAYAN SİMETRİK OLASILIK

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

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}
$$

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

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

$$
\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}
$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)!} \cdot$$

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

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

$$\sum \overset{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}{\underset{(\qquad + \boldsymbol{n} - D)}{\sum}}$$

$$\overset{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}{\underset{(j_i = \boldsymbol{l_s} + s - \boldsymbol{l} + 1)}{\sum}} \underset{= j_i + j_{sa}^{ik} - s}{\sum}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

$$\sum_{-n+\Bbbk\,(n_{is}=n}^{n}\sum^{(n_i-+1)}_{+1)}$$

$$\sum_{n_{ik}=n_{is}+}^{(\ )}{}_{j_{ik}-\Bbbk_1\,(\quad-j_i-\Bbbk_2)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}\quad j_s-s-\quad{}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-n\quad\Bbbk_1-\Bbbk_2)!\cdot(\quad+j_{ik}+j\quad-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s-l-1)!}{(l\quad j_s-l+1)!\cdot(j_s-2)!}\cdot$$

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

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

$$D\quad l_s+s-\quad-l_i+\quad<l\leq D-n+1\wedge$$

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

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

$$j_{ik}+s-j_{sa}^{ik}\quad j_i\leq n\quad$$

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

$$D\geq n<n\quad I=\Bbbk>=0\wedge$$

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

$$s:\{j_{sa}^{s},\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^{i}\}\wedge$$

$$s=3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-s+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

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

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_s} - \boldsymbol{l} - 1\right)!}{\left(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1\right)! \cdot (j_s -)}$$

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

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

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \right\} \wedge$$

$$\boldsymbol{s} = 3 \wedge \boldsymbol{s} = + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = + \Bbbk_2 \Rightarrow$$

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

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s + \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}} \cdot$$

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

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

$$\Bigg(\sum^{(j_{ik} - j_{sa}^{ik} + 1)}_{+\boldsymbol{n} - D)}$$

$$\sum^{j_i + \;\;\; s - 1}_{ik = \boldsymbol{l_{ik}} + \boldsymbol{n} - D} \sum^{(\boldsymbol{l_s} + s - \boldsymbol{l})}_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

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

$$\sum^{n_{is} + j_s - j_{ik} - \Bbbk_1}_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

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

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = \boldsymbol{n} - D)}$$

$$\sum_{-l_{ik} + \boldsymbol{n} - D}^{j_i + j_s - 1} \sum_{=l_s + s - l + 1}^{(l_{ik} + s - \cdots + 1)}$$

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

$$\sum_{n_{is} \cdots - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

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

$$\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=l_{ik}+l-j_{sa}^{ik}+2)}^{(l_i-l+1)}$$

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

$$\sum_{n_{ik} \ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-} \sum_{}^{(n_{ik}+j_{ik}-j_i-\Bbbk}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

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

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \ \sum_{(n_s=n_{ik}+\ -j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa} \ -\Bbbk \ )!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} \ j_{sa}^s - j_s - \ j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s \ l - 1)!}{(l_s \ -l + \ )! \cdot (j_s - 2)!}$$

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

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

$$D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 2 \ \ D - \boldsymbol{n} \ \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s} : \{j_{sa}^s \ \Bbbk_1, j_{sa}^{ik} \ j_i \ \}$$

$$s \ 3 \wedge j \ s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \ \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s - j_i+1)}^{(n_{ik}+j_{ik}-j_i-)}$$

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

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

$$\frac{ - n_s}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!}$$

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

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)}$$

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

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

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \quad\right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

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

$$\frac{(\boldsymbol{l}_s-\ -1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-\ j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-\ -\boldsymbol{l}_s)!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l}_s+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s }$$

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

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

$$\sum \sum_{(\quad -j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i} \quad +j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{s}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_z S_{\Rightarrow j_s, j_{ik},} = \sum_{\substack{=l \\ }}^{1)} \sum_{(j_s = l_s + n - D,)}$$

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

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = \;+ s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{\boldsymbol{n} + \mathbb{k} \; (n_{is} = \boldsymbol{n} + \mathbb{k} \; +1)}^{n \quad (n_i \; +1)} \sum$$

$$\sum_{n_{ik} = n_{is} + \; + j_{ik} - \mathbb{k}_1 \; (n_s \; + \; j_i - \mathbb{k}_2)}^{(\;)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} \; - s - \;^{ik} - \mathbb{k}_1 - \mathbb{k}_2\right)!}{(n_i - \boldsymbol{n} \; \mathbb{k}_1 - \mathbb{k}_2)! \cdot (\; + j_{ik} + j_s \; - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \; + j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$2 \; \boldsymbol{l} \leq D + \; + s - \; \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

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

$$j_{ik} = j_i \; j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \; < \; \wedge$$

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

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

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

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

$$s = 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

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

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

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

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

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(\ -\Bbbk_2)}$$

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

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

$$\frac{(\ \ -n_s-1)!}{(\ \ j_{ik}-\ )!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

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

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

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

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

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

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

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

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) (j_s - 2)!} \cdot$$

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

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}} s)!}{(j_{ik} + \boldsymbol{l_i} - (j_i + - j_{ik} - s)!} \cdot$$

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

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

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

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

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

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

$$\sum_{j_{ik} = l_s + }^{-l+1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{-j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

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

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

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

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

$$\sum_{n_{ik}=n_{is}+\ j_{ik}-\Bbbk_1}^{(\ )} \sum_{(\ n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} - j_{sa}^s - j_s - s + j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - n \ - \Bbbk_2 \ \right)\cdot \left(n \ _{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq l \ \ D + l_s + s - \ - l_i \wedge$

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

$j_{ik} \ \ j_i \ \ _{sa}^{ik} - s \wedge$

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

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

$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$

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

$s: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

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

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)}
$$

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

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

$$
\sum_{n_{ik} = \;\; - j_{ik} + 1}^{(\;\; + 1)}
$$

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

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

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

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

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

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

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

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}
$$

$$
\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;\;)}
$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-j_i-\boldsymbol{n}-j_i)!}{(n_s-j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(-\boldsymbol{l}-1)!}{(-j_s-1)!\cdot(j_s-2)!}\cdot$$

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

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

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

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

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

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

$$\sum \sum^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}_{(D-s+1)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1} \sum^{(\quad)}_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum^{(\quad)}_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(\quad_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

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

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

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

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} \left(\sum_{=l}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{-s)} \right.$$

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

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\sum_{(j_i\;\;+s-j_{sa}^{ik})}^{(\;\;\;)}$$

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

$$\sum_{n_{ik}\;\;+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}\;\;\;(n_{ik}+j_{ik}-j_i-\Bbbk}\sum_{}^{(n\;\;\;-j_i+1)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

$$\left(\sum_{k=\boldsymbol{l}}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\right.$$

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

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-j_i-\boldsymbol{n}-j_i)!}{(n_s-j_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l-l-1)!}{(j_s-1)!\cdot(j_s-2)!} \cdot$$

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

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{\left(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}}\right)!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

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

$$\frac{(\boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - \cdots - \boldsymbol{l} + 1)! \cdots - 2)!} \cdot$$

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

$$\frac{(\boldsymbol{l_i} + \cdots \cdot - \boldsymbol{l_{ik}} - \cdots)}{(j_{ik} + \boldsymbol{l_i} \cdots - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!}$$

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

$$\sum_{k=l} \sum^{(l_s - l + 1)}_{(\quad - s + 1)}$$

$$\sum_{j_s + j_{sa}^{ik} - 1} \sum^{(\;)}_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(\;)}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$2 \leq l \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz S_{\Rightarrow j_s, j_{ik}, jl} = \sum \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\cdots +1)}$$

$$\sum_{=j_i + j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(l_s - l)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = +s - \boldsymbol{l} + 1)}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik})}$$

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

$$\sum_{n_{ik} + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} -} \sum_{(+j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)} \cdot$$

$$\frac{(l_s-l-1)}{(l_s-j_s-l)!\cdot(l-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-l-l_i)!\cdot(\boldsymbol{n}-j)}$$

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

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq D-\boldsymbol{n}+1 \wedge$

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

$j_{ik}=j_i+j_{sa}^{ik}-s \wedge$

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

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

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

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

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \ \} \wedge$

$s=3 \wedge \ =s+\Bbbk \wedge$

$\Bbbk_z: z=2 \wedge \ \Bbbk_1+ \ \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

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

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-\ldots)!}\cdot$$

$$\frac{(\ldots-1)!}{(n_s\ldots j_i-\boldsymbol{n}\ldots-j_i)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l}-1)!}{(\ldots-j_s-\ldots 1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\ \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{\left(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2\right)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$

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

$s: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = l_s + n - D)}$$

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

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

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)} \cdot$$

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

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

$$\sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{(\quad + \boldsymbol{n} - D)}$$

$$\sum^{\boldsymbol{l_{ik}} \quad + 1}_{j_{ik} \quad + j_{sa}^{ik} - \boldsymbol{l} + 1} \sum^{(\quad)}_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

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

$$\sum^{n_{is} + j_s - j_{ik} - \Bbbk_1}_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - l} \; \sum_{(j_i = \;+ s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n + \Bbbk \; (n_{is} = n + \;+ 1)}^{n \quad (n_i \; + 1)}$$

$$\sum_{n_{ik} = n_{is} + \; j_{ik} - \Bbbk_1 \;(\; - \; j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \; - s - \; {}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \; \Bbbk_1 - \Bbbk_2)! \cdot (\; + j_{ik} + j_{s} \; - j_s - s - j_{sa}^{ik})!} \; \cdot$$

$$\frac{(l_s - l - 1)!}{(l \; j_s - l + 1)! \cdot (j_s - 2)!} \; \cdot$$

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

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

$D \; l_s + s \; - \; l_i + 1 \; l \leq D - n + 1 \wedge$

$2 \; \leq j_{ik} - j_{sa}^{ik} \; 1 \wedge$

$j_{ik} = j_i \; {}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \; < \; \wedge$

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

$D \geq n < \; I = \Bbbk >= 0 \wedge$

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

$s: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

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

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ \ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{(n_{ik}+j_{ik}-n_i-\Bbbk_2)}$$

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

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

$$\frac{(\ \ - n_s - 1)!}{(\ -j_{ik} - 1\ )! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\;\;)!}$$

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

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

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

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

$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$

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

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

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

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

$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,\;\;\right\}\wedge$

$\boldsymbol{s}=3\wedge\boldsymbol{s}=\;\;+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\;\;+\Bbbk_2\Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

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

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

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

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

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

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad j_i)!} -$$

$$\sum_{k=\boldsymbol{l} (j_s \qquad j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum$$

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\quad)} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{\quad l_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{\quad -\boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

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

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

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

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_Z{}^{S}{}_{\Rightarrow j_s, j_{ik},} = \sum_{\dots = l}^{\dots 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D,}$$

$$\sum_{j_{ik} = \dots \boldsymbol{n} - D} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{\dots_s + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+\ \ j_{ik}-\Bbbk_1}^{(\ \ )}\sum_{(\ \ \ j_i-\Bbbk_2)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}\ \ j_s-s-\ \ _{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-n\ \ \Bbbk_1-\Bbbk_2)!\cdot(\ \ +j_{ik}+j_y\ \ -j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s-l-1)!}{(l\ \ j_s-l+1)!\cdot(j_s-2)!}\cdot$$

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

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

$2\ \ l\leq D+\ \ +s-\ \ l_i\wedge$

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

$i_{ik}=j_{\ \ }+j_{sa}^{ik}-s\wedge$

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

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

$D\geq n<n\ \ I=\Bbbk>=0\wedge$

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

$s:\{j_{sa}^{s},\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^{i}\}\wedge$

$s=3\wedge s=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

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

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+n-\ldots)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(\ldots - n_s - 1)!}{\ldots - j_{ik} - 1 \ldots + (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-1)!}{(-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s} \colon \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{=l} \left(\sum_{j_s = j_{ik} - j_{sa}^{ik}}\right)$$

$$\sum_{=j_i + l_{ik} - l_i} \left(\sum^{(l_s + s - l)}_{(j_i + \boldsymbol{n} - D)}\right)$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \left(\sum^{(\quad)}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}\right)$$

$$\frac{(\quad + j_{\quad} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \quad_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq l \leq D \quad l_s + s - \boldsymbol{n} - l_i \wedge$

$2 \quad = j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

$\qquad D > \boldsymbol{n} < n$

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

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

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{\Bbbk=l}^{(\ldots k - j_{sa}^{ik}+1)} \sum_{(j_s = \ldots + \boldsymbol{n} - D)}^{\ldots}
$$

$$
\sum_{\ldots + j_{sa}^{ik} - D - \ldots}^{l_s + \ldots} \sum_{(\ldots = j_{ik} + l_i - l_{ik})}^{\ldots}
$$

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

$$
\sum_{n_{ik} \ldots \Bbbk_2 - j_{ik}+1 \;\; (n_s = \boldsymbol{n} - j_i + 1)}^{n_{is} \ldots -j_{ik} - \Bbbk_1 \;\; (n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum
$$

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

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

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

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

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

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

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

$$\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

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

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

$$\sum_{n_{ik}=n+\Bbbk_2-j_s+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(\ - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \quad)!}$$

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

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

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \quad \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+\boldsymbol{n}-D)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

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

$$\frac{(\boldsymbol{l}_s-\ -1)!}{(\ \ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

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

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}}\ \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{(j_s = l_i + \boldsymbol{n} - D - s)}^{(\boldsymbol{l_s} - \boldsymbol{l})}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1}^{ik - l - s + 1} \sum_{(j_i = j_{ik}}^{(\ )} l_i - \boldsymbol{l_{ik}})$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{- j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

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

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

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

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \ - j_{sa}^{ik} - \ - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \ - \Bbbk_2)! \cdot (\boldsymbol{n} \ j_{ik} + j_{sa} \ s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \ + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \ - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} \ \wedge$

$j_{ik} \ - j_{sa}^{ik} \leq j_i \leq \ \wedge$

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

$D \geq \boldsymbol{n} < n \wedge \ \ 0 \wedge$

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

$\ \{j_{sa}^{s}, \Bbbk \ , \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

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

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

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s \ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

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

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

$$\frac{(\quad -n_s \quad)}{(j_i \quad -1)! \quad _{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

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

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

$$\sum_{k=l}^{} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-l+1)}$$

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \ldots + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = l_s + \boldsymbol{n} - D)}$$

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

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \cdots (j_s - 2)!}$$

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

$$\frac{(\cdots \boldsymbol{l_i})!}{\cdots \boldsymbol{n} - \cdots \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{\cdots = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_s} + s - \boldsymbol{l} + 1)}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_{ik}} \; - j_{sa}^{ik})}^{(\boldsymbol{l_s} + \boldsymbol{l})}$$

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

$$\sum_{n_{ik} = n_{is} \ldots j_{ik} - \mathbb{k}_1} \sum_{(\ldots n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{\left(n_i + j_{ik} \ldots j_{sa}^s - j_s - s + j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2\right)!}{\ldots (n_i - \ldots \mathbb{k}_1 - \ldots)! \cdot \left(\boldsymbol{n} + \ldots_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$D + \boldsymbol{l_s} \ldots s - \boldsymbol{n} - \boldsymbol{l_i} + \ldots \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} \ldots j_{sa}^{ik} + 1 \ldots$

$j_{ik} \ldots \ldots j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{\ldots}^{\ldots} \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

$\boldsymbol{s} \colon \left\{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(l_s - \boldsymbol{l} + 1)}
$$

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

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

$$
\sum_{n_{ik} = \boldsymbol{n} \ldots - j_{ik} + 1} \sum_{(\ldots - j_i + 1)}^{\ldots + j_{ik} - j_i - \Bbbk_2)}
$$

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

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

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

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

$$
\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(l_s - l - 1)}{(l_s - j_s - l)! \cdot (l - 2)!} \cdot$$

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

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

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

$j^{ik} = j_{sa}^i - \ldots \; j_{sa}^s = j_s - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \ldots\} \wedge$

$s = 3 \wedge \ldots = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \ldots \; \Bbbk_1 + \ldots \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_i - \boldsymbol{l} - 1)!}{(l_i - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-l_{ik})}^{(\;)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - \cdots - 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s \cdots)(j_{ik} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(\boldsymbol{n} - \boldsymbol{l}_i \cdots)(\boldsymbol{n} - j_i)!} \cdot$$

$$\sum \sum_{\cdots \boldsymbol{l} \ (j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{\cdots + j_{sa}^{ik} - \boldsymbol{l}}^{} \sum_{jik = \boldsymbol{l}_{ik} + \boldsymbol{n} - D \ (j_i = j_{ik} + \boldsymbol{l}_i - \boldsymbol{l}_{ik})}^{(\ )}$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

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

$$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_i = \sum_{l=l}^{(l_s-l+1)} \sum_{l_s+n-D)} \binom{}{}$$

$$\sum_{=l_{ik}+n}^{-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

$\qquad D > \boldsymbol{n} < n$

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

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

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i \; + \boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

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

$$\sum_{n_{ik}=n_{is}+\ldots j_{ik}-\Bbbk_1}^{(\;)} \sum_{(\ldots j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s \ldots j_s - s - \ldots{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \ldots \Bbbk_1 - \Bbbk_2)! \cdot (\ldots + j_{ik} + j \ldots j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \ldots j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$2 \ldots \boldsymbol{l} \leq D + \ldots + s - \ldots \boldsymbol{l_i} \wedge$

$2 \leq \ldots_s \leq j_{ik} - j_{sa}^{i\ldots} \ldots 1 \wedge$

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

$j_{ik} + s - j_{sa}^{i\ldots} \ldots j_i \leq \boldsymbol{n} \ldots$

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

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

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

$\boldsymbol{s}\colon \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_{ik}+n-D-j_{sa}^{ik})}$$

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

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

$$\sum_{n_{ik}=n+\Bbbk_2-\ \ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ \ )}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(\ \ -n_s-1)!}{(\ \ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

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

$$\frac{(\boldsymbol{l_s}--1)!}{(-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

$\boldsymbol{s} : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=}^{} \sum_{=l_{ik} + \boldsymbol{n} - D - j_{sa}^{i}}^{(l_s - l +}$$

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

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{()} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{+ j + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - 1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$D \quad \boldsymbol{n} \quad \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

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

$$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

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

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\cdots_{ik} - j_{sa}^{ik} + 1)} \sum_{(\cdots = 2)}^{(\cdots - l)} \sum_{j_{ik} = j_l \cdots_{ik} - s}^{(j_i = s + 1)} \sum_{n_l \cdots + \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\cdots_{\cdot\cdot} + 1)} \sum_{n_{is} \cdots - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1}^{(n_s = \boldsymbol{n} - j_i + 1)}
$$

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

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

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

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

$$
\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-\boldsymbol{l}+1)}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-n_i-\Bbbk_2)}$$

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

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

$$\frac{(\ldots - n_s - 1)!}{\ldots - j_{ik} - 1 \ldots + (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}\sum_{(j_i=s+1)}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum^{(\ )}_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \ )}$$

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

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

$l_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l \quad D + s - \boldsymbol{n} \wedge$

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

$j_{ik} = {}\cdot{} + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \quad \leq \boldsymbol{n}) \wedge$

$(D \quad \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \quad \wedge l_s \leq D \quad \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = {}\cdot{} + j_{sa}^{ik} \quad$

$j_{ik} + s - {}\quad{} \leq j_i \leq \boldsymbol{n} \wedge$

$l \quad - s + 1 \quad l_s \wedge$

$l_i \leq D + s - \boldsymbol{n})\Big) \wedge$

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

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

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

$D > \boldsymbol{n} < n$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)} \right.
$$

$$
\sum_{j_{ik} = j_i + j_{sa}^{ik} - } \sum_{(j_i = s+1)}^{(l_s + s -)}
$$

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

$$
\sum_{n_{ik} = \boldsymbol{n} - j_{ik} + 1} \sum_{(n_s - j_i + 1)}^{+ j_{ik} - j_i - \Bbbk_2)}
$$

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

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

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

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

$$
\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

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

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

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(l_s - \boldsymbol{l} + 1)}
$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-l-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-l+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

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

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

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

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_s+s-l)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}--1)!}{(-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

$$\frac{(\boldsymbol{l_i}+-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+-j_i-\boldsymbol{l})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

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

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=2)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \quad (j_s - 2)!} \cdot$$

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

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}} \quad s)!}{(j_{ik} + \boldsymbol{l_i} - \quad (j_i + \quad - j_{ik} - s)!} \cdot$$

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

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

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

$$\sum \sum_{(j_s = j_{ik} - j_{sa}^{ik} + }$$

$$\sum_{= j_i + j_{sa}^{ik} - s} \sum^{(l_s + s - l)}_{(j_i = s + 1)}$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(\quad)}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(\quad + \quad + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$D \quad \boldsymbol{n} < \quad \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

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

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

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

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

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(=2)} $$

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

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

$$\sum_{n_{is}= -j_{ik}-\Bbbk_1}^{} \sum_{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} $$

$$\sum_{n_{ik}= \Bbbk_2-j_{ik}+1}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)} $$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=2)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j\ 1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{(\ _{ik}+j_{ik}\ j-\Bbbk_2)}$$

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

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

$$\frac{(\ \ -n_s-1)!}{\ \ -j_{ik}-1\ \cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - 2)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + \qquad$$

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

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j \quad - s > \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$$

$$(D \geq \quad < n \wedge \boldsymbol{l} \neq \quad \wedge \boldsymbol{l}_i \leq D + s - \quad \wedge$$

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

$$j_{ik} \quad j_i + j_{sa}^{ik} - s \wedge$$

$$\quad + s - \quad{}^{ik} \leq j_i \leq \boldsymbol{n})$$

$$(D \geq \quad < n \wedge \quad \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

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

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

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

$$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$$

$$\boldsymbol{l}_i \leq D + s - \boldsymbol{n})\Big) \wedge$$

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

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

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_{1}, j_{sa}^{ik}, \Bbbk_{2}, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}: z = 2 \wedge \Bbbk = \Bbbk_{1} + \Bbbk_{2} \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_{s}, j_{ik}, j_{i}} = \left(\sum_{k=l}^{(l_{ik}-j_{sa}^{ik}+1)} \sum_{(\cdots=2)} \sum_{j_{sa}^{ik}+1}^{l_{s}=l_{sa}^{ik}-l} \sum^{(\,)}_{(j_{ik}+s-j_{sa}^{ik})} \sum_{n_{i}=\cdots}^{n} \sum^{(\cdots+1)}_{(n_{is}=\boldsymbol{n}+\Bbbk-j_{s}+1)} \sum_{n_{is}+\cdots j_{ik}-\Bbbk_{1}}^{\cdots+\Bbbk_{2}-j_{ik}+1} \sum^{(n_{ik}+j_{ik}-j_{i}-\Bbbk_{2})}_{(n_{s}=\boldsymbol{n}-j_{i}+1)} \right.
$$

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

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

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

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

$$
\frac{(l_{s} - l - 1)!}{(l_{s} - j_{s} - l + 1)! \cdot (j_{s} - 2)!} \cdot
$$

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

$$
\frac{(D - l_{i})!}{(D + j_{i} - \boldsymbol{n} - l_{i})! \cdot (\boldsymbol{n} - j_{i})!} +
$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2- \ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+ }^{(n_{ik}+j_{ik} \ i-\Bbbk_2)}$$

$$\frac{(n_j-n \ -1)!}{(\ \ -2)! \cdot (\ \ n \ j_s+1)!} \cdot$$

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

$$\frac{(\ \ -n_s-1)!}{\ -j_{ik}-1 \ \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

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

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

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

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

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

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$D > \boldsymbol{n} < n$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l - 1)!}{(l - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

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

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

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

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

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

$$\frac{(\boldsymbol{l} - 1)!}{(l_s - \boldsymbol{l} + 1)! \cdot (\boldsymbol{l} - 2)!} \cdot$$

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

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

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

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

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;\;)}$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;\;)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$\qquad D > \boldsymbol{n} < n$

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

$D \geq \boldsymbol{n} < n \wedge l \neq {}_{i}l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

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

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

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

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_z} S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=l}^{\ldots - l + 1} \frac{\ldots}{(j_s \ldots}$$

$$\sum_{j_{ik} = \ldots + j_{sa}^{ik} - 1}^{(\;)} \left(j_i = j_{ik} \ldots s - j_{sa}^{ik}\right)$$

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

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{(\;)} \left(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2\right)$$

$$\frac{\left(\ldots_i + j \ldots + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} \ldots_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$\Big(\ldots \geq \boldsymbol{n} \ldots n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

$l_i \leq D + s - \boldsymbol{n} \Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq \ _i l \wedge l_i \leq D + s - \boldsymbol{n} \ \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \ \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq \ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \ \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \ \wedge$

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

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \ \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \wedge$

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

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

$\boldsymbol{s} : \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \ \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \ \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$\frac{(D - \boldsymbol{l})!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = 2)}^{-\boldsymbol{l} + 1} \right.$$

$$\sum_{-j_s + j_{sa}^{ik} - 1}^{l_i - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(l_i - \boldsymbol{l} + 1)}$$

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

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$D > \boldsymbol{n} < n$

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

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

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

$$\sum_{k=l}^{} \sum_{j_s=2}^{(l_s - l + 1)}$$

$$\sum_{=j_s + j_{sa}^{ik} -}^{} \sum_{=j_{ik} + s - j_{sa}^{ik})}^{}$$

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

$$\sum_{-n_{is} + \;\;\;\; ik - \mathbb{k}_1 (n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\;\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(\;\; - \boldsymbol{n} - \mathbb{k}_1 \;\; \mathbb{k}_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

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

$D \geq \boldsymbol{n} < \;\;\; \boldsymbol{l} \neq \;\; _i\boldsymbol{l} \wedge \;\; \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \;\;\; D + \boldsymbol{l}_s + \;\; \boldsymbol{n} - \boldsymbol{l}_i \wedge$

$1 \leq j_s \leq j_{i\;\;\;}\; j_{sa}^{ik} + 1 \wedge$

$\;\;\; \; \;\;\;_{sa}^{ik} - s \wedge$

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

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

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

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

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

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\ldots-j_{sa}^{ik}+1)} \sum_{(\ldots=2)} $$

$$\sum_{j_{ik}=j_i+j_{sa}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum^{n} \sum_{(\ldots+1)}$$

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

$$\sum_{n_{is} \ldots -j_{ik}-\Bbbk_1} \sum^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\sum_{n_{ik}= \ldots \Bbbk_2-j_{ik}+1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

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

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

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

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-\boldsymbol{l}+1)}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}$$

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik}-n_s-1)!}{(\ldots-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

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

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}_i}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \,_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq \,_i\boldsymbol{l} - 1 \wedge$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

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

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

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s - \boldsymbol{n} - 1 \wedge$

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

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

$s \, (j_{sa}^s, \Bbbk_1, j_{sa}, \Bbbk_2, j_{sa}^i) \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_i - \boldsymbol{l} + 1)}$$

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

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

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

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

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

$$\frac{(n_{ik} - n_s - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

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

$$\frac{(\boldsymbol{l_s} - 1)!}{(\boldsymbol{l} +)(j_s - 2)!} \cdot$$

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

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

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

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

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

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

$\Big((D \geq n < n \land l \neq {}_i l \land l_s \leq D - n + 1 \land$

$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} + 1 \land$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \land$

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

$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big) \lor$

$(D \geq n < n \land l \neq {}_i l \land l_s \leq D - n + 1 \land$

$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} + 1 \land$

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

$j_{ik} = j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \land$

$l_i - s + 1 > l_s \land$

$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big)\Big) \land$

$D \geq n < n \land \ldots = \Bbbk > \ldots \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{\ldots} = j_{sa}^{ik} - 1 \land$

$s: \{j_{sa}^{s}, \ldots j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \land$

$s = 3 \land s = \ldots \Bbbk \land$

$\Bbbk_{\ldots} = \ldots \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

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

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

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}-j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s-j_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\ell-1)!}{(l-j_s-1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)!}{(l_{ik}-j_s-j_{sa})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{\boldsymbol{l_s}-\boldsymbol{l}+1} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \cdots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \cdots (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \cdots - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \cdots (j_{ik} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D \cdots \boldsymbol{l})!}{\cdots (\boldsymbol{n} - \boldsymbol{l_i}) \cdots (\boldsymbol{n} - j_i)!)}$$

$$\left(\sum_{\cdots = \boldsymbol{l}} \sum_{(j_s = 2)}^{\cdots_{sa} + 1} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\cdots_i + j_{sa}^{ik} - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad \boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\quad \boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\quad \boldsymbol{n}-D}^{\quad -1} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\quad -\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\quad} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{\quad -j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_i - l - k + 2)}^{(l_i - 1)}$$

$$\sum_{n+k}^{(n_i - j_s + 1)} \sum_{(n+k - j_s + 1)}$$

$$\sum_{n_{is} + j_{ik} - \Bbbk_1}^{n+\Bbbk_2 - j_{ik}} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-s)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - \quad - j_{sa}^{ik} - \quad - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \quad)! \cdot (\boldsymbol{n} \quad j_{ik} + j_{sa} \quad - j_{sa}^{ik})!} \cdot$$

$$\frac{(\quad \boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} \quad \boldsymbol{l_i} - j_{sa}^{ik} + 2 \leq \quad < D - \boldsymbol{n} \quad 1 \wedge$$

$$1 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + \quad$$

$$j_{ik} = j_i + j_{sa}^{ik} - \quad$$

$$j_{ik} + \quad j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + \quad \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \vee$$

$$(D \geq \boldsymbol{n} < \quad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D \quad + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 2 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik} \big) \big) \wedge$$

$$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s: \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s = 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_i} = \sum_{k=l}^{(l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik} = +n-D}^{l_{ik}} \sum_{(j_i = l_i + n - D)}^{(-l+1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )} \sum_{j_{\ldots}=j_i+j_{sa}^{\ldots}}^{(\ldots+s-\boldsymbol{l})} \sum_{\ldots \Bbbk \ (n_{\ldots})}^{(n_i - j_s + \ldots)} \sum_{(n_{\ldots}+\Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \ldots - j_{ik} - \Bbbk_1 (\ldots n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum$$

$$\frac{(n_i + j_{ik} \ldots j_{sa}^{s} - j_s - \ldots j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \ldots \Bbbk_1 - \ldots)! \cdot (\boldsymbol{n} + \ldots_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ldots \boldsymbol{l} \wedge \boldsymbol{l_s} \leq \ldots 1 \wedge$$

$$2 \leq \boldsymbol{l} \ldots D + \boldsymbol{l_s} + s - \ldots - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} \ldots j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} \ldots j_i \ldots j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j^{\ldots} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} \ldots_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - \ldots}^{l_s + j_{sa}^{ik} - l} \ldots$$

$$\sum_{\ldots = n + \Bbbk}^{} \sum_{}^{(n_i - j_s + \ldots)} \ldots$$

$$\sum_{n_{is} \ldots j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n - j_i + 1)}^{(j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s = 2)}^{(l_s - l + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)!\,(n_i-n_{is}-1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}+1)!}{(j_{ik}-j_s)!\,(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s-j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)}$$

$$\frac{(D - \boldsymbol{l_i}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \ _i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} \quad - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa} \quad = j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^s, \Bbbk_1, j_{sa} \quad _2, j_{sa}^i)$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(l_s - \ldots - 1)!}{(\ldots - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + \ldots - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\Big((D \geq n < n \wedge l \neq \, _i l \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big) \vee$$

$$(D \geq n < n \wedge l \neq \, _i l \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} \cdots \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\big)\Big) \vee$$

$$D \geq n < n \wedge \cdots = \Bbbk > \cdots \wedge$$

$$j_{sa}^{ik} \cdots j_{sa}^{i} - 1 \wedge j_{sa} \cdots j_{sa}^{ik} - 1 \cdots$$

$$s : \{ j_{sa}^{s}, \cdots j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s = 3 \wedge s = \cdots \Bbbk \wedge$$

$$\Bbbk \cdots = \cdots \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - \cdots - 1)!}{(n_s \cdots j_i - \boldsymbol{n} \cdots - j_i)!} \cdot$$

$$\frac{(\cdots - \boldsymbol{l} - 1)!}{(\cdots - j_s \cdots 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \cdots - j_{sa}^{ik} + 1)!}{(\cdots + \boldsymbol{l_{ik}} \cdots)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{l_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ )}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \quad (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \quad 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \quad (j_{ik} - j_s \quad +1)!} \cdot$$

$$\frac{(D \quad \boldsymbol{l})!}{\quad \boldsymbol{n} - \boldsymbol{l_i}) \quad (\boldsymbol{n} - j_i)!)}$$

$$\sum_{(\ =\boldsymbol{l})}^{} \sum_{(j_s=2)}^{(\quad _{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_i}+\ j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ )!} \cdot$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\ - j_i)!}$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik}+1)}$$

$$\sum_{-l_i+\boldsymbol{n}+j_{sa}}^{-s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}^{} \sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_{ik} - l + 1} \sum_{}^{} \sum_{}^{(n_i - j_s +)} \sum_{}^{(n+k-j_s+1)} \sum_{n_{is} + j_{ik} - k_1}^{} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} \cdot j_i - k_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}\Bigg) -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - i)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \ \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{(\ )} \sum_{= n_{ik} + j_{ik} - j_i - }^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - \cdots^{ik} - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} + j_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{(\ -\boldsymbol{l} - 1)!}{(\ -j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D - j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l}_s \leq \ -\boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$$

$$1 \leq j_s \leq j_i - j_{sa}^{ik} + \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - \wedge$$

$$j_{ik} + - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + {}_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$D + - \boldsymbol{n} < \boldsymbol{l}_i \leq + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge = \Bbbk >= 0 \wedge$$

$$\cdots = j^i \ 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{(l_i+n-D-s)} \sum_{(j_s=2)}
$$

$$
\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{ik}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n+\Bbbk_2-\ -1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(\quad +j_{ik}\quad_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (\quad - n_{is} \quad j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} \quad j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(\quad - n_s - 1)!}{(\quad - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
$$

$$
\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ \ i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ \ -j_s-\boldsymbol{l}+\ )\ (j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\ j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{\ \ }\boldsymbol{l_s})!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$

$D + l_s + s - n - l_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \qquad j_{sa}^{ik} + 1)!}$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad j_i)!} -$$

$$\sum \sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{\qquad D - s + 1)}$$

$$\sum_{= j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\qquad n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{\ldots} - 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\ldots - \boldsymbol{l}_i)!}{(\ldots - \boldsymbol{n} - \ldots)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{\ldots} \sum_{(j_s = \boldsymbol{l}_i + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{\ldots = j_s + j_{sa}^{ik} - 1}^{\ldots_{ik} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\left.\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}\right) +$$

$$\left(\sum_{k=l}^{(l_i + n - D - s)} \sum_{(j_s = 2)}\right.$$

$$\sum_{j_{ik} = l_i + n - D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{(l_{ik} + s - j_{sa}^{ik} + 1)}$$

$$\sum \sum^{(n_i - j_s + 1)}$$

$$\sum^{(n_{is} + k - j_s + 1)}$$

$$\sum_{n_{ik} + k_2 - j_{ik}}^{n_{is} + j_{ik} - k_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_i - k_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-\ldots_i-\Bbbk_2)}$$

$$\frac{(n_j - n_{\ldots} - 1)!}{(j_s - 2)! \cdot (\ldots - n_{\ldots} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{\ldots} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(\ldots - n_s - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{i}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}j_{ik}-n_s-j)!} \cdot$$

$$\frac{()!}{(n_sj_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{-\boldsymbol{l}-1)!}{-j_s-1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}--j_{sa}^{ik}+1)!}{(+\boldsymbol{l_{ik}})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right) -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - }$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \wedge$

$\Bbbk_: z = 2 \wedge = \Bbbk_1 + \Rightarrow$

$$\prescript{}{fz}{S}_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(l_s + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots \boldsymbol{l} - 1 \ldots)}{(\boldsymbol{l}_s - \ldots - \boldsymbol{l} + 1 \ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ldots)}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{\ + j_{sa}^{ik} - s}^{(\boldsymbol{l_s}\ )} \sum_{(j_i = \ + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i\ + \Bbbk}^{\ \ \ (\ \ - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j\ \ k - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(n_i + j\ \ + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\ - \boldsymbol{n} - \Bbbk_1\ \ \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \ \ \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \ \leq D - \boldsymbol{n} + 1 \wedge$

$D + \ \ + s - \boldsymbol{n}\ \ 1 \leq \boldsymbol{l} \leq \ _i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{\ } - j_{sa}^{ik} + 1 \wedge$

$\ - j\ \ {sa}^k - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{j_s=2}^{} \sum_{j_{sa}^{ik}-s}^{(l_{ik}+s-\ )} \sum_{(j_i=\ \boldsymbol{n}+s-D-j_{sa}^{ik})}^{} \sum_{n_i}^{\ +1)} \sum_{\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{} \sum_{n_{is}=\ -j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{n_{ik}=\ _2-j_{ik}+1}^{(n_s=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}^{(l_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{n} \sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s -\ \ \ -j^{ik}_a-\Bbbk\ -\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\ )!\cdot(\boldsymbol{n}\ \ _{ik}+j_{sa}\ \ -\ -j_{sa}^{ik})!}\cdot$$

$$\frac{\ \ \ _s-\boldsymbol{l}-1)!}{\ \ -j_s-\ \ +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ \ j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq\ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq\ \ -\boldsymbol{n}+1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$$

$$1 \leq j_s\ \ j_{ik}\ -j_{sa}^{ik}+\ \ \wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-\ \ \wedge$$

$$j_{ik}+\ \ -j_{sa}^{ik} \leq j_i \leq\ \ \ \wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ \ > \boldsymbol{l_s} \wedge \boldsymbol{l_i}\ \ _{sa}^{ik}-s=\boldsymbol{l_{ik}} \wedge$$

$$D+\ \ \boldsymbol{n} < \boldsymbol{l_i}\ \ \ \ \boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$$

$$D \geq \boldsymbol{n} < \ \ \ J=\Bbbk \ >=0 \wedge$$

$$\ ^{ik}=j^i\ \ \ 1 \wedge j_{sa}^s=j_{sa}^{ik}-1 \wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\right\} \wedge$$

$$s=3 \wedge \boldsymbol{s}=s+\Bbbk \wedge$$

$$\Bbbk_z: z=2 \wedge \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-)}^{()}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-}^{n_{is}+j_s-j_{ik}-\Bbbk_1\phantom{+j_{ik}}-\Bbbk_2)} \sum_{(n_s=n-j_i+)}$$

$$\frac{(-n_{is}1)!}{(j_s2)!\cdot(nj_s+1)!}\cdot$$

$$\frac{(n_{is}{ik}-1)!}{(j_{ik}-j_s1)!\cdot(n_{is}j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(-n_s-1)!}{(-j_{ik}-1)\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(l_{ik}-l_s-j_{sa}^{ik}+1\right)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - \ldots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$D + l_s + s - n - l_i + 1 \leq l \leq {}_i l - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{\substack{ \\ (\ \ _{sa}^{ik}+1)}}^{(\ )}$$

$$\sum_{\substack{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D \\ (j_i = j_{ik} + s - j_{sa}^{ik})}}^{\boldsymbol{l_s} \quad ^{ik}-\boldsymbol{l}} \sum^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\boldsymbol{n} \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{(n_i = \boldsymbol{n} + \Bbbk)}^{(l_{ik} + \boldsymbol{n} - D - j_s)} \sum_{(n_{is} = 2)}$$

$$\sum_{(l = l_{ik} + \boldsymbol{n} - D)}^{l+1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_s + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{\boldsymbol{n} + \Bbbk \ (n_{is} = \boldsymbol{n} + 1)}^{\boldsymbol{n}} \sum_{}^{(n_i + 1)}$$

$$\sum_{n_{ik} + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik}} \sum_{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(j_i + 1)}$$

$$\frac{(\quad - n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\quad - n_{ik} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} -)}{(\boldsymbol{l}_s - j_s -)! \cdot (- 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq + \boldsymbol{l}_s + s - \boldsymbol{n} - \wedge$

$D \geq \boldsymbol{n} < n \wedge = \Bbbk >= \wedge$

$j_{sa} \quad j_{sa}^i - 1 \wedge j_{sa}^s \quad j_{sa}^{ik} - 1 \wedge$

$: \{j_{sa}^s, \quad {}^{ik}_{sa}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = \quad \Bbbk \wedge$

$\Bbbk_2 \quad = \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s=2)}^{}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \qquad - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} \qquad - n_i \qquad - j_{ik})!} \cdot$$

$$\frac{(n_{ik} \qquad - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} \qquad j_{ik} - n_s - j \qquad)!} \cdot$$

$$\frac{(n_s \qquad - 1)!}{(n_s \qquad j_i - \boldsymbol{n} \qquad - j_i)!} \cdot$$

$$\frac{(\qquad - \boldsymbol{l} - 1)!}{(\qquad - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l}_{ik} - \qquad - j_{sa}^{ik} + 1\right)!}{\left(\qquad + \boldsymbol{l}_{ik} \qquad \right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{ } \sum_{\left(j_s=\boldsymbol{l}_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{ } \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{ } \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_{ik} + s - n - j_{sa}^{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$fz S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_{ik} - l + 1} \sum_{(j_i = l_i + n - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} \quad j_{ik} - s\right)!}$$

$$\frac{(\quad l_i)!}{(D + \quad - \boldsymbol{n} - l_i)! \quad - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_il \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i > D + l_{ik} + s - \boldsymbol{n} - j_{s}^{ik}$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa} \quad j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^{s}, \Bbbk_1, j_{sa} \quad , j_{sa}^{i}) \quad$

$s = \quad \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_{ik} + \boldsymbol{n} - D}^{l_{ik} - l + 1} \sum_{(j_i = l_i + \boldsymbol{n} - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ \ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ \ i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\ \ 1)!}{(\ -\ -\ +\ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s\ \ j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-\ \ \boldsymbol{l}_s)!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+\ \ -\boldsymbol{l}_{ik}-s)!}{(j_{ik}\ -j_i-\boldsymbol{l}\ )!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq\ \ \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}\ \ 1 \wedge$

$1\ \ j_s \leq j_{ik}\ \ {}_a^{ik}+1\ $

$j_{ik}\ \ j_i+j_{sa}^{ik}-s\ $

$j_{ik}+s\ \ {}_a^{ik} \leq j_i \leq \boldsymbol{n}\ $

$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1\ \ \boldsymbol{l}\ \wedge \boldsymbol{l}\ \ j_{sa}^{ik}-s=\boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{i}\ \ D\ \ {}^{ik}-\boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < \mathit{l}\ \ I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik}-j_{sa}-1 \wedge j_{sa}^s = j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s+\ldots)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ldots \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}\ldots_i-\Bbbk_2)}$$

$$\frac{(n_j - n_{\ldots} - 1)!}{(j_s - 2)! \cdot (\ldots - n_{\ldots} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(\ldots - n_s - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-l-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(l_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j^{2^5} \Rightarrow j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}+1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} - \boldsymbol{l} + 1}^{ik - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik}}^{(\,)} \boldsymbol{l_i} - \boldsymbol{l_{ik}})$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{- j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l}_i -)}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \quad \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{\quad} \sum_{\quad = n_{ik} + j_{ik} - j_i - }^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \quad - {}^{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \quad)! \cdot \left(\boldsymbol{n} \quad_{ik} + j_{sa} \quad - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\quad - \boldsymbol{l} - 1)!}{\quad - j_s - \quad 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq \quad - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq \quad < \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - {}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l} \quad j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_{ik} \leq D + {}^{k} - \boldsymbol{n} \wedge$$

$$D \geq \quad < n \wedge I \quad = 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - \quad \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\{ {}_{is} \quad {}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}+j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(\ \ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - l_i \quad}{(D + j_i \quad \boldsymbol{n} - l_i)! \quad \boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \,_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \boldsymbol{n} < l_i \leq D + l_s + \quad - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{s} \quad = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \quad \{j_{sa}^s, \Bbbk_1, j_{s} \quad \Bbbk_2, j_{sa}^i\} \quad$$

$$s = 3 \wedge \boldsymbol{s} = s + \quad$$

$$\Bbbk_z : z \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\;)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\;i)!}\cdot$$

$$\frac{(l_s-\;-1)!}{(\;-j_s+\;)\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+\;-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_i-l+1)} \sum_{(j_i=l_s+s-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad _{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad _i)!} -$$

$$\sum \sum_{(\quad -j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}^{n}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{ \quad _i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{ \quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \boldsymbol{n} \quad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{\ldots j_{ik}, j_i} \sum \sum_{(j_s=2)}^{(l_s - l)}$$

$$\sum_{j_{ik}=j_i + l_{ik} - l_i} \sum_{(j_i = l_i + n - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (n - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\quad)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{}^{(\boldsymbol{l_s} + s -}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\ (n_{is}=\quad+1)}^{n\qquad (n_i\quad +1)}$$

$$\sum_{n_{ik}=n_{is}+\quad j_{ik}-\Bbbk_1}^{(\quad)} \sum^{\quad -j_i-\Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{\quad} \quad j_s - s - \quad^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n}\quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j\quad - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l}\quad j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \quad \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} \quad 1 \wedge$$

$$2 \quad \boldsymbol{l} \leq D + \quad + s - \boldsymbol{n} \quad \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} \quad 1 \wedge$$

$$j_{ik} = j_i \quad j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \quad j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} \quad j_{sa}^{\quad} \quad 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} \quad \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \quad \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = n + \ldots}^{n} \sum^{(\ldots j_s + 1)}_{}$$

$$\sum^{n_{is} + j_s - \ldots \Bbbk_1}_{\ldots j_{ik} + 1} \sum_{(\ldots = n - j_i + 1)}^{(n_{ik} + j_{ik} - \ldots)}$$

$$\frac{(n_i - n_{is} \ldots)}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\ldots - n_{ik} \ldots 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(\ldots_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l} \sum_{(j_s=2)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\_\_}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{\_\_}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_{\_\_})!} \cdot$$

$$\frac{(n_s-\_\_-1)!}{(n_s+j_i-\boldsymbol{n}-\_\_-j_i)!} \cdot$$

$$\frac{(\_\_-\boldsymbol{l}-1)!}{(\_\_-j_s-\_\_+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\_\_-j_{sa}^{ik}+1)!}{(\_\_+\boldsymbol{l}_{ik}-\_\_-s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge l \neq {}_il \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_il - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik} = l_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + \cdots)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - \cdots - 1)!}{(j_s + l_{ik} - j_{ik} - l_s) \cdots (j_{ik} - j_s - \cdots + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(\boldsymbol{n} - l_i) \cdots (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{\cdots} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{\cdots + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_s \cdots _{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz^{j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+}^{j_{sa}^{ik}-\boldsymbol{l}-s+} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )} j_{sa}^{ik}-D-s$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum^{)}$$

$$\sum^{(n_i - j_s + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \_)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+\mathbf{l}_i-\mathbf{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n}\sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+\ldots-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}\ldots-\Bbbk\ldots)!}{(n_i-\mathbf{n}-\Bbbk_1-\Bbbk_2)!\cdot(\mathbf{n}+j_{ik}\ldots j_{sa}^s-j_s\ldots j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s\ldots l-1)!}{\ldots_s\ldots-l+\ldots!\cdot(j_s-2)!}$$

$$\frac{(D-\ldots}{(D+\ldots \mathbf{n}-l_i)!\cdot(\mathbf{n}-j_i)!}$$

$D \geq \mathbf{n} < n \wedge l \neq \ _i l \wedge l_s \leq D-\mathbf{n}+1\ldots$

$D + l_s + s - \mathbf{n} - l_i + 1 \leq l \ldots \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + \ldots - j_{sa}^{ik} \leq j_i \leq \ldots \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > \ldots \wedge l_i + \ldots - s = l \ldots \wedge$

$D + \ldots - \mathbf{n} < l_i \leq D \ldots l_s + s \ldots -1 \wedge$

$\ldots \geq \mathbf{n} < \ldots \wedge I = \Bbbk >= \ldots \wedge$

$j_{sa}^{ik} = \ldots^i \ldots -1 \ldots \ldots_{sa} -1 \wedge$

$\mathbf{s}:\{j_{sa}^s, \Bbbk_1\ldots^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$\ldots = 3 \wedge \mathbf{s}\ldots s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{}\sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)\,(n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}+1)!}{(j_{ik}-j_s)\,(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(-n_s-1)}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - }$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} -$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s +$

$\Bbbk_2: z = 2 \wedge \ = \Bbbk_1 + \ \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s }$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1) \quad (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad \boldsymbol{l} - 1}{(\boldsymbol{l}_s \quad \boldsymbol{l} + 1 \quad 2)!}$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_s \quad + 1)!}{(j_s + \boldsymbol{l}_{ik} - \quad) \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l}_{ik} - \boldsymbol{l}_i}^{(\boldsymbol{l}_{ik} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l}_s + s - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{i + l_{ik} - l_i}^{(l_s \ )} \sum_{(j_i = n + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i + \Bbbk}^{(\ j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- n - \Bbbk_1 \ \Bbbk_2)! \cdot (n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < \ \wedge l \neq \ _i l \wedge \ \leq D - n + 1 \wedge$$

$$D + \ + s - n \ \ 1 \leq l \leq \ _i l - 1 \wedge$$

$$1 \leq j_s \leq j_{\ } - j_{sa}^{ik} + 1 \wedge$$

$$- j \ _{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)} \sum_{l_{ik} - l_i}^{(l_{ik} + s - l)} \sum_{(j_i = n + s - D - j_{sa}^{ik})} \sum_{n_i}^{n} \sum_{\Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\; j_i + 1)} \sum_{n_{is}}^{(-j_{ik} - \Bbbk_1)} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \; -
$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_s+s-l)} \sum_{(j_i=l_{ik}+n+s-D-j^{ik})}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s - \quad^{ik} - \quad - \Bbbk_2\right)!}{(n_i - n - \Bbbk_1 - \quad)! \cdot (n \quad_{ik}+j_{sa} \quad - j_{sa}^{ik})!} \cdot$$

$$\frac{\quad l_s - l - 1)!}{\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D \quad j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq \ _i l \wedge l_s \quad - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \quad j_{ik} \quad j_{sa}^{ik} + \quad \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$l_{ik} - j_{sa}^{ik} + \quad > l_s \wedge l_i \quad_{sa}^{ik} - s = l_{ik} \wedge$

$D + \quad n < l_i \quad l_s + s - n - 1 \wedge$

$D \geq n < \quad \quad l = \Bbbk \geq 0 \wedge$

$\quad^{ik} = j^{i} \quad 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ 1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{\boldsymbol{n}+j_{ik}-\Bbbk_2)}$$

$$\frac{(n_i - n_{is}-1)!}{(j_s-2)!\cdot(\ -n_{is}-\ j_s+1)!}\cdot$$

$$\frac{(n_{is}- \ _{ik}-1)!}{(j_{ik}-j_s-\ 1)!\cdot(n_{is}\ j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(\ -n_s-1)!}{\ -j_{ik}-1\ \cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\;)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\quad_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\qquad-1)!}{(\qquad-j_s\quad+1\qquad(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\quad j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j\quad\boldsymbol{l_s})!\cdot(\quad-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\quad-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq l \leq {}_{\boldsymbol{i}}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - l + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - l_i)! \cdot (\qquad i)!} -$$

$$\sum \sum_{(\quad - j_{sa}^{ik}+1)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}+j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left({}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2 \right)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum \sum_{(=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_s}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l}+1} \sum_{(j_i = j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2 - j_{ik}+1}^{n_{is}+j_s - j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum_{(j_i \quad k + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{-n + \Bbbk}^{n} \sum_{(n_{is} = n \quad +1)}^{(n_i \quad +1)}$$

$$\sum_{n_{ik} \quad +\Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} -} \sum_{(\quad j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{-n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \quad - n_{ik} - 1)!}{(\quad - j_s - 1) \quad (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{(\quad)} \sum_{(j_i = j_{ik} + l_i - l_{ik})}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{\left(\boldsymbol{l}_s - \boldsymbol{l} - 1\right)}{(\boldsymbol{l}_s - j_s - \dots)! \cdot (\dots - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \dots \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j\dots}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - \dots = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq \dots + \boldsymbol{l}_s + s - \boldsymbol{n} - \dots \wedge$$

$$D \dots \boldsymbol{n} < n \wedge \dots = \Bbbk >= \dots \wedge$$

$$j_{sa}^{ik} \dots j_{sa}^i - 1 \wedge j_{sa}^s \dots j_{sa}^{ik} - 1 \dots$$

$$\dots \left\{ j_{sa}^s, \dots j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = \dots \Bbbk \wedge$$

$$\Bbbk_2 \dots = \dots \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-\ )!}{(n_s-j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(-\boldsymbol{l}-1)!}{(-j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{(+\boldsymbol{l_{ik}}-\ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i l \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i l}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s)}^{(l_i - {}_i l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=_il}\sum_{(j_s=1}^{(\,)}$$

$$\sum_{j_{ik}}\sum_{(j_i=s)}^{(\,)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik})}^{(\,)}\sum_{n_s=}^{j_{ik}-j_i-\Bbbk_2}$$

$$\frac{+ j_{ik} + j_s - j_s - s \; j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)! \; (n + j_{ik} + s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\Big((D \ge n < n \land l = {}_il \land \quad \le D - n + 1$$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \land$$

$$j_{ik} = \quad + j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \le \quad \le n \land$$

$$l_{ik} \quad {}^{ik} + 1 > l_s \land \quad + j_{sa}^{ik} - \quad l_{ik} \land$$

$$\quad \le D + \quad n) \lor$$

$$(D \ge \quad < n \land \quad \land l_i \le D + s - n \land$$

$$1 \le j_s \le j \quad - j_{sa}^{ik} + 1 \land$$

$$\quad = j \quad {}_{sa} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n\Big) \lor$$

$$(D \ge n < n \land l = {}_il \land l_s \le D - n + 1 \land$$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \land$$

$j_{ik} = j_i + j_{sa}^{ik} - s \,\wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \,\wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \,\wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})) \,\wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \,\wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \,\wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \,\wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f z \ldots, j_{ik}, j_i \left(\sum_{k=\,\boldsymbol{i}l}^{(\;)} \sum_{(j_s=1)} \right.$$

$$\sum_{j_{ik}+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{\left(\boldsymbol{i}k+s-\,\boldsymbol{i}l-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\,\boldsymbol{i}l} \sum_{(j_s=1)}^{(\;)} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{\left(l_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}+1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_{ik}-\boldsymbol{l_s})!}{(l_{ik}-j_{ik}-\boldsymbol{l_s}+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_i-j_{sa}^{ik}-l_{ik}-s)!}{(s+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}=\,_i\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{k=\,_il}^{(\quad)} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{k=j_{sa}^{ik}}^{j_{sa}^{ik}-\,_il-s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik} \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_il}^{(\quad)} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i \cdots}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i \cdots}{(D + s - \cdots)!\, (\cdots \boldsymbol{n} - s)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} \cdots - \boldsymbol{n} - j_{sa} \cdots$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq \cdots - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa} \cdots 1 \wedge$$

$$j \cdots = j_i + j_{s} \cdots s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \cdots \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_i - s \cdots 1 > \boldsymbol{l}_s \wedge$$

$$D + s - \boldsymbol{n} < \cdots \leq D + \cdots_{ik} + s - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$$

$$D \cdots \boldsymbol{n} < \cdots \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i \cdots \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \sum_{(j_i=j_{ik}+s-\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} \ - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} \ +1)!} \cdot$$

$$\frac{(n_{ik} - n_s \ -1)!}{(j_i - j_{ik} \ -1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i \ - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(\boldsymbol{l}_{ik} - j_i \ - \boldsymbol{l}_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{l_{ik}-\ _il+1} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(l_i-\ _il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)}$$

$$\sum_{k=}^{(\ )} \sum_{(j_s=1)}^{}$$

$$\sum_{=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i=n+\Bbbk\,(n_{ik}}^{n} \sum_{-j_{ik}-\Bbbk_1}^{} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{\left(n_i + j + j_{sa}^s - j_s - + j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(- \Bbbk_1 -)! \cdot \left(n + + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D - s - < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{} = j_{sa}^{} - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$D > \boldsymbol{n} < n$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}}^{\left(l_i-\ _il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\ \ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(\boldsymbol{n_i}-n_{ik}\ \ )!}{(j_{ik}-2)!\ \ \ -n_{ik}-j_{ik}\ \ 1)!} \cdot$$

$$\frac{(n_{ik}-n_s\ \ )!}{(j_i-j_{ik}\ \ )!\ \ \ +j\ \ -n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(\ _s+j_{\ }\ \boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\ \ -\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{\ }\ \boldsymbol{l_s}+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =\ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz_{\Rightarrow j_s}^{S} \quad j_i = \sum_{k= _il}^{(\,)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik} \quad _il-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\ _i l}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik} \quad -j_i-\Bbbk_2}^{}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} \quad -\Bbbk \quad \right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} \quad j_{sa}^s - j_s - s \quad j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\quad - l_i)!}{(D \quad \boldsymbol{n} \quad)! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + \quad \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} \quad = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \quad D + \boldsymbol{l_s} + s - \boldsymbol{n} \quad 1 \wedge$$

$$D \geq \boldsymbol{n} < n \quad = \Bbbk \quad 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_s \quad = j_{sa}^{ik} - \quad \wedge$$

$$\boldsymbol{s}: \left\{j_{sa}^{s} \quad j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \quad$$

$$s = 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$$

$$\Bbbk_z \quad \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\ _i l}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{\left(\boldsymbol{l_{ik}}+s-\ _i l-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ldots)!}$$

$$\frac{(n_s - \ldots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} \ldots)}{(\boldsymbol{l_{ik}} - j_{ik} - \ldots + 1)! \cdot (j_{ik} - \ldots)!} \cdot$$

$$\frac{(D - \ldots)}{(D \ldots j_i \ldots)! \cdot (\ldots - j_i)!} -$$

$$\sum_{k=\;_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(\ldots_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\ldots - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \ldots \boldsymbol{n} \ldots \wedge \boldsymbol{l} =\;_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j \ldots - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \mathrel{>}= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=}^{(\ )} \sum_{(j_s=1)}^{(\ )}
$$

$$
\sum_{=l_{ik}+\boldsymbol{n}-}^{l_{ik}-l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n-j_{ik}-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-+1)}^{(\ )} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}
$$

$$
\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2 \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$
\sum_{k={}_{i}\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = s)}^{\left(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik}} \sum_{(j_i = s)}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \; (n_{ik} - \ldots j_{ik} \ldots)} \sum^{(\quad)} \sum_{n_s = \ldots j_{ik} - j_i - \Bbbk_2}$$

$$\frac{\ldots + j_{ik} + j_s - j_s - s \ldots j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \ldots n + j_{ik} + \ldots j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D \ldots s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i l \wedge l_s \ldots D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = \ldots + j_{sa}^{ik} - s \ldots$

$j \ldots + s - j_{sa}^{ik} \ldots \leq \boldsymbol{n} \wedge$

$l_{ik} \ldots j_{sa}^{ik} + 1 > l_s \ldots + j_{sa}^{ik} \ldots l_{ik} \wedge$

$l_{ik} \leq D \ldots j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge \ldots \Bbbk \ldots 0 \wedge$

$j_{sa}^{ik} \ldots j_{sa}^{\ldots} \ldots 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{j_{sa}^s, \Bbbk_1 \ldots, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i l} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-\,_il-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} \quad j_{ik} + 1)} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} \qquad j_i)!} \cdot$$

$$\frac{(\quad n_s - 1)!}{(n_s + j_i \quad 1)! \cdot (\boldsymbol{n} - j_{i\quad})} \cdot$$

$$\frac{(l_{ik} - \quad^{ik}\quad)!}{(l_{ik} - j_{ik} \quad l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D \quad l_i)!}{(D + \quad - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_il}^{(\quad)} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\quad)} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge l =\,_il \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$\qquad D > \boldsymbol{n} < n$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s} \; j_i = \sum_{k=\,_i l}^{(\;)} \sum_{(j_s=1)}^{(\,_i l+1)}$$

$$\sum_{j_{ik}=}^{l_{ik}-l_i} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\;+\Bbbk}^{n} \sum_{(n_{ik}=\;\Bbbk_2-j_{ik}+1)}^{(n_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i l}^{(\;)} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \;)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z \; 2 \wedge \Bbbk = \Bbbk_1 \; \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-{}_i\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{(\ )} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(\ )} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk\, (n_{ik} \cdots - j_{ik} - \Bbbk_1 \cdots)}^{n} \sum \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{\left(n_i + \cdots + j_{sa}^s - j_s - \cdots - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n \cdots \boldsymbol{n} - \Bbbk_1 \cdots \Bbbk_2)! \cdot \left(\boldsymbol{n} + \cdots + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \cdots \boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} \cdots 1 \wedge$

$1 \leq j_s \leq j_{ik} \cdots j_{sa}^{ik} + \cdots$

$j_{ik} = j_i + j_{sa}^{ik} - \cdots$

$j_{ik} + \cdots j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \cdots$

$l_{ik} - j_{sa}^{ik} + \cdots \geq l_s \wedge l_i \cdots j_{sa}^{ik} - s = l_{ik} \wedge$

$D + \cdots \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \cdots \boldsymbol{l} = \Bbbk >= 0 \wedge$

$j \cdots \cdots 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik}, j_i} = \sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-\,)}^{\left(l_{ik}+s-\,_il-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{ik}=n+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}\ \ )!}{(j_{ik}-2)!\ (\ -n_{ik}-j_{ik}\ \ 1)!} \cdot$$

$$\frac{(n_{ik}-n_s\ \ )!}{(j_i-j_{ik}\ \ )!\ (\ +j_{\ }-n_s-j_i)!} \cdot$$

$$\frac{(n_s-\ )!}{(n_s+j_i\ -n-1)! \cdot (n-j_i)!} \cdot$$

$$\frac{(\ -l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{\ }-l_s+1)! \cdot \left(j_{ik}-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} \ -$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-n-\Bbbk_1-\Bbbk_2)! \cdot \left(n+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)! \cdot (n-s)!}$$

$$D \geq n < n \wedge l = \,_il \wedge l_s \leq D-n+1 \wedge$$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s} \quad j_i = \sum_{k=\ _i l}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{-\ _i l+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\;_i l}^{\;} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\;} \sum_{(j_i=\;)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}\;\;-j_i-\Bbbk_2}^{\;}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{i\Bbbk}\;\;-\Bbbk\;\;\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik}\;\;j_{sa}^{s} - j_s - s\;\;_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\;\;-\boldsymbol{l_i})!}{(\;\;-\boldsymbol{n}-\;\;)! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}\;\; \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s\;\;_{ik} \wedge$

$D \geq \boldsymbol{n} < n\;\;\boldsymbol{l} = \Bbbk\;\;\wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j\;\;> j_{sa}^{ik}\;\;\wedge$

$\boldsymbol{s}: \{j_{sa}^{s}\;\;, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j\;\;\} \wedge$

$s > 3 \wedge \boldsymbol{s} =\;\;+ \Bbbk \wedge$

$\Bbbk_z:\;\;\wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\;}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\;}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad - \boldsymbol{l} - 1)!}{(\quad - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \quad - j_{sa}^{ik} + 1)!}{(+ \boldsymbol{l_{ik}} \quad)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} +} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\boldsymbol{n} - \boldsymbol{l_i} \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{\cdots = \boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$D > \boldsymbol{n} < n$

$j_{ik} = j_i + j_{sa}^{ik} - s \,\wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \,\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \,\wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_i = \sum_{n=l}^{(l_s - l + 1)} \sum_{(l_s + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + j_{sa} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} \; -$$

$$\sum_{k=\boldsymbol{l}}^{(\;)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum^{(l_s + s -}_{(-l_i + \boldsymbol{n} - D)}$$

$$\sum_{=\boldsymbol{n} + \Bbbk \,(n_{is} = \boldsymbol{n} +1)}^{n \quad (n_i +1)}$$

$$\sum_{n_{ik} = n_{is} + \; j_{ik} - \Bbbk_1 \,(\quad - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \; j_s - s - \; ik - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \; \Bbbk_1 - \Bbbk_2)! \cdot (\; + j_{ik} + j \; - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l \; j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s \; -\boldsymbol{n} + 1 \wedge$

$2 \; \boldsymbol{l} \leq D + \; + s - \; - l_i - j_{sa}^{ik} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} \; 1 \wedge$

$j_{ik} = j_i \; j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \; j_i \leq \boldsymbol{n}$

$l_{ik} \; j_{sa}^{\; } \; 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \; l = \Bbbk > 0 \wedge$

$j_{sa}^{ik} \; j_{sa} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \left(\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{j_{ik}-\Bbbk_2}$$

$$\frac{(\;\;\;-n_{is}-1)!}{(j_s-2)! \cdot (n_i-j_s+1)!} \cdot$$

$$\frac{(\;\;\;-n_{ik}-1)!}{(\;\;\;_k-j_s-1)! \cdot (n_{is}+j_s-j_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(\;\;\;-n_s-1)!}{(\;\;\;_{ik}-\;\;)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{\cdots}{(n_s+j_i-\boldsymbol{n}-\cdots-j_i)!} \cdot$$

$$\frac{\cdots-\boldsymbol{l}-1)!}{(\cdots-j_s-\cdots+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\cdots-j_{sa}^{ik}+1\right)!}{(\cdots+\boldsymbol{l_{ik}}-\cdots)! \cdot \left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}}^{\cdots} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_s - 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - l + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - l_{ik})! \cdot (j_i + j_s - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l} \sum_{(j_s = l_s + \boldsymbol{n} - D)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = l_{ik} + \boldsymbol{n} - D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{(j_i = l_s + s - l + 1)}^{(l_{ik} + s - l - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - l_i)}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\sum_{k=l}^{(l_s - 1)} \sum_{(j_s = l_s + n - 1)}$$

$$\sum_{j_{ik} = l_{ik} - D}^{-l+1} \sum_{(j_i = l_{ik} + s - l - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{-j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(+s-\boldsymbol{l})}$$

$$\sum_{(n_i-j_s+1)}$$

$$\sum_{\Bbbk (n_{ik}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}-j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i + j_{ik} - j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \ldots)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + \wedge$

$D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 2 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1$

$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(l_s - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(\boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - \boldsymbol{l} + 1)}$$

$$\sum_{}^{(n_i + 1)}$$

$$\sum_{\boldsymbol{n} + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk)}^{}$$

$$\sum_{n_{ik} - \Bbbk_2 - j_{ik} + 1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{}^{(j_i + 1)}$$

$$\frac{(\quad - n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \quad - \Bbbk_1 - 1)!}{(\quad_{ik} - j_s \quad 1)! \cdot (\quad + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+\ \ -j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{\ \ }\ -\Bbbk\ )!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{\ \ }\ j_{sa}^s-j_s-\ \ \ -j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s\ \ \boldsymbol{l}-1)!}{\ _s\ \ -\boldsymbol{l}+\ \ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ \ )}{(D+j\ \ \boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + \ \ - j_{sa}^{ik} \leq j_i\ \ \ \ \wedge$

$\boldsymbol{l}\ \ - j_{sa}^{ik} + 1\ \ \boldsymbol{l}\ \wedge \boldsymbol{l_i} + \ ^{ik} - s = \boldsymbol{l}\ \wedge$

$D\ \ \boldsymbol{n} < n \wedge I = \Bbbk\ \ 0 \wedge$

$\ ^{ik} = j_{sa}^{\ }\ \ 1 \wedge j_{sa}^s > j_s\ \ - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s\ \ \cdots, \Bbbk_1, \ \ \ \Bbbk\ \ \ \} \wedge$

$s\ \ 3 \wedge\ \ \ s + \Bbbk \wedge$

$\Bbbk_z: z = 2\ \ \ \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\quad-1)}{(j_s-2)\cdots(n_i-n_{is}\cdots+1)!} \cdot$$

$$\frac{(n_{i\cdots}-n_{ik}-\Bbbk_{1\cdots}1)!}{(j_{ik}-j_s-1)\cdots(n_i-n_{is}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(\quad-n_s-1)}{(j_i-\cdots-1)!\cdots_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s\cdots_i-n-1)!\cdot(n-j_i)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j\cdots l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\qquad \boldsymbol{l} - 1)}{(\boldsymbol{l_s} - \qquad - \boldsymbol{l} + 1) \qquad - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s \qquad + 1)!}{(j_s + \boldsymbol{l_{ik}} - \qquad)! \cdot (j_{ik} - \qquad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i \qquad - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$S_{\Rightarrow j_s, j_{ik},} = \sum_{=l}^{l+1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_s \quad l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{(\boldsymbol{n} + j_{sa}^{ik} - D -)}^{l_s + \ldots l} \sum_{(\ = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i \ldots \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\ldots i + 1)}$$

$$\sum_{(= n_{is} + j \ldots k - \Bbbk_1)}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{\ldots} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\ \ - \boldsymbol{n} - \Bbbk_1 \ \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \quad \wedge l_s > D - \quad + 1 \wedge$

$2 \leq \quad D + l_{ik} \quad \boldsymbol{n} - l_i - j_{sa}^{ik} + 1 \wedge$

$2 \leq j_s \leq j \quad - j_{sa}^{ik} + 1 \wedge$

$\quad = j \quad _{sa}^{\ldots} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{} \sum_{(j_s = l_s + n -)}^{(j_{ik} - j_{sa}^{ik} + 1)} \right.$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{}^{j_{sa}^{ik})}$$

$$\sum_{}^{(n_i - j_s + 1)} \sum_{\Bbbk (n_{} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{n_{is} + j_{ik} - \Bbbk_1}^{} \sum_{}^{(n_{ik} - j_i - \Bbbk_2)}$$

$$\sum_{n_{} + \Bbbk_2 - j_{ik}}^{} \sum_{(n_s = n - j_i + 1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s = l_s + n - D)}^{(l_s - l + 1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \quad \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \quad \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(l_s-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_i-l_{ik}-s)!}{(j_{ik}+s-j_i-l_i)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}\ \sum_{(j_s=l_s+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \quad)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} \quad)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \quad (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \quad 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \quad (j_{ik} - j_s \quad +1)!} \cdot$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{i}} \quad s)!}{(j_{ik} + \boldsymbol{l_i} - \quad (j_i + j \quad - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \quad - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l} + 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (\ - j_i)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} +)}$$

$$\sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(\ + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)! \cdot \left(n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \le n < \quad \wedge l_s > D - n + 1 \wedge$$

$$2 \le l \le D \quad l_s + s - n - l_i \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{+\boldsymbol{n}-D-s)} \sum_{(j_s - +\boldsymbol{n}-D)}
$$

$$
\sum_{+\boldsymbol{n}+j_{sa}^{ik}-D-}^{\boldsymbol{l_i}+j_{sa}^{ik} \quad s+1} \sum_{i s = j_{ik}+s-j_{sa}^{ik})}
$$

$$
\sum_{n_i \quad +\Bbbk (n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{\ \quad \ ik+1)}
$$

$$
\sum_{n_{ik}= \quad \Bbbk_2-j_{ik}+1}^{n_{is} \ -j_{ik}-\Bbbk_1 \ (n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(n_s = \boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{-j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(n-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-l_i\ \ )}{(D+j_i-\boldsymbol{n}-l_i)!\ \ (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D-\boldsymbol{n}+1 \wedge$

$D+l_s+s-\boldsymbol{n}-l_i+1 \leq l \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$

$j_{ik} = j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik}-j_{sa}^{ik}+1 > l_s \wedge l_i+j_{sa}^{ik}-s = l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i-1 \wedge j_{sa}^s > j_{sa}^{ik}-1$

$\boldsymbol{s}:\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\ ,j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ \ +\Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \ \ +\Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_s+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-\;)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\;_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\;-1)!}{(\;-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l}_s)!\cdot(\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\;-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\big(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\big)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{\ldots, j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(j_s = l_i + \boldsymbol{n} - D - s)}^{(l_s - l)}$$

$$\sum_{j_{ik} = l + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} - s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_i - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$D > \boldsymbol{n} < n$$

$$\left(\sum_{k=l}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots 1}^{n_{is}+j_s-j_{ik}\ldots} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{\ldots+j_{ik}\ldots j-\Bbbk_2)}$$

$$\frac{(n_i - n_{\ldots} - 1)!}{(j_s - 2)! \cdot (\ldots - \ldots - j_s + 1)!} \cdot$$

$$\frac{\ldots - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\ldots - n_s - 1)!}{\ldots - j_{ik} - 1) \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-l+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ -j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ -j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\ -\boldsymbol{l}-1)!}{(\ -j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{(\ +\boldsymbol{l_{ik}}-\ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}^{\ }\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1) \cdots (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)}{(\boldsymbol{l}_s \cdots \boldsymbol{l} + 1) \cdots 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdots)! \cdot (j_{ik} \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} \cdots - \boldsymbol{l_{ik}})! \cdots (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_{\cdots} \Rightarrow j_s, j_{ik}, j_i = \sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = l_s + n - D)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = l_{ik} + n + s - D - j_{sa}^{ik})}^{(l_s + s - l)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{(l_s+1)} \sum_{(j_s=l_s+\boldsymbol{n})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}-s}^{(l_{ik}-l_s-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+l-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{(n_{is}-j_{ik}-\Bbbk_1)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\;)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\;)} \sum_{=n_{ik}+j_{ik}-j_i-}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-\quad j^{ik}-\quad-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\quad)!\cdot(\boldsymbol{n}\quad j_{ik}+j_{sa}\quad-j_{sa}^{ik})!}\cdot$$

$$\frac{(\quad\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\quad-j_s-\quad+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\quad j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n}\quad \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \quad \boldsymbol{n} + 1 \wedge$

$2 \leq j \quad j_{ik}-j_{sa}^{ik}+\quad \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$

$j_{ik} \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad \quad^{ik}_{sa} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \quad < n \wedge \quad \quad 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i \quad \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\{j^s \quad _1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(+j_{ik}\,\ldots\,-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\ldots-\ldots-j_s+1)!}\cdot$$

$$\frac{\ldots-n_{ik}\ldots\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ldots-n_s-1)!}{(\ldots-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)}$$

$$\frac{(D - \boldsymbol{l_i}\quad}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1$

$\boldsymbol{s} : \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \quad, j_{sa}^i\right\} \wedge$

$\boldsymbol{s} > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-\quad)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\quad j_i)!}\cdot$$

$$\frac{(l_s-\quad-1)!}{(\quad-j_s\quad l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s\quad j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j\quad l_s)!\cdot(\quad-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+\quad-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{l_{ik}-l+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad{}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad_i)!} -$$

$$\sum_{(\quad \quad j_{sa}^{ik}+1)}^{(\;)} \sum$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s} \quad ik - \boldsymbol{l}} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s = n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(\quad_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad_l - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_z S_{\Rightarrow j_s, j_{ik},} = \sum_{\;=l}^{\;} \sum_{(j_s = l_s + n - D,}^{\;1)}$$

$$\sum_{j_{ik} = \boldsymbol{n} - D}^{\;} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{\;s + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = \ \ + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n+\Bbbk (n_{is} = n+\Bbbk\ \ +1)}^{n \quad (n_i \ \ +1)}$$

$$\sum_{n_{ik} = n_{is} + \ \ j_{ik} - \Bbbk_1 \ (\ \ \ j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \ \ - s - \ ^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n\ \ \Bbbk_1 - \Bbbk_2)! \cdot (\ \ j_{ik} + j_{s} \ \ - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l\ \ j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n\ \ < n \wedge l_s > \ \ - n + 1 \wedge$

$2\ \ l \leq D + \ \ + s - n\ \ l_i \wedge$

$2 \ \ \ \leq j_{ik} - j_{sa}^{ik}\ \ \ \wedge$

$j_{ik} = j_i\ \ {}^{ik}_{a} - s \wedge$

$j_{ik} + s - j_{sa}^{ik}\ \ < \ \wedge$

$l_{ik}\ \ j_{sa}^{i}\ \ 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < \ \ I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j\ldots1}^{n_{is}+j_s-j_{ik}\ldots+j_{ik}\ldots_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\ldots-\ldots-j_s+1)!}\cdot$$

$$\frac{\ldots-n_{ik}\ldots\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\ldots(n_{is}+j_s\ldots n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ldots-n_s-1)!}{\ldots-j_{ik}-1\ldots\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\;\;-s-j_i)!}$$

$$\frac{(n_s-}{(n_s+j\;\;\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\;\;i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\;\;-1)!}{\;\;-j_s\;\;+\;\;(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\;\;j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j\;\;\boldsymbol{l_s})!\cdot(\;\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\;\;-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + \,)}$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\, - j_i)!}$$

$$\sum_{k=\,}^{\,} \sum_{=l_{ik}+\boldsymbol{n}-D-j_{sa}^{i}}$$

$$\sum_{j_{ik}\,+j_{sa}^{ik}-1\,(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1\,(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{+\, j\,+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i - \boldsymbol{n}\, _1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D\,\quad\boldsymbol{n}\quad \wedge l_s > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq l \leq D\quad l_s + s - \boldsymbol{n} - l_i \wedge$$

$$2\,\quad j_s\,\quad j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_{1}, j_{sa}^{ik}, \Bbbk_{2}, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}: z = 2 \wedge \Bbbk = \Bbbk_{1} + \Bbbk_{2} \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{\Bbbk = \boldsymbol{l}}^{(\cdots_k - j_{sa}^{ik}+1)} \sum_{(j_s = \cdots + \boldsymbol{n} - D)}^{(\cdots)}
$$

$$
\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}}}^{\cdots} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\cdots)}
$$

$$
\sum_{n_{\cdots} + \Bbbk}^{(\cdots_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{\cdots}
$$

$$
\sum_{n_{is} = \cdots - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{\cdots}
$$

$$
\sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_i-l+1)} \sum_{(j_i=l_s+s-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2- +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i-)}^{(n_{ik}+j_{i}-j_i-\Bbbk_2)}$$

$$\frac{(n_i- -1)!}{(j_s- 2)!\cdot(\ -n_{ } -j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}- \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s -n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ -n_s-1)!}{(\ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_s+s-l)} \sum_{(j_i=l_i+n-D)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-\ )}$$

$$\frac{(D-l_i)}{(D+j_i-\boldsymbol{n}-l_i)!\ (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - $

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \ , j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \ + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}\ \sum_{(j_s=l_s+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\ \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad \boldsymbol{l} - 1)}{(l_s - \quad - l + 1) \qquad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad) \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum_{\boldsymbol{l}=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \cdot$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = -n - D)}$$

$$\sum_{-l_s + j_{sa}^{ik} - l}^{l_i + j^{ik} - l - s + 1} \sum_{j_i = j_{ik} + l_i - l_{ik}}$$

$$\sum_{n_i + \Bbbk}^{(j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\ - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\;)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l}_i -)}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = k - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{} \sum_{= n_{ik} + j_{ik} - j_i - }^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - \cdots - ^{ik} - \Bbbk - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} - _{ik} + j_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{- \boldsymbol{l} - 1)!}{- j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D - j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} + \wedge$$

$$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - \wedge$$

$$j_{ik} + - j_{sa}^{ik} \leq j_i \leq \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + _{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\{j^s - \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{\ }-1)!}{(j_s-2)!\cdot(\ -\ -j_s+1)!}\cdot$$

$$\frac{(\ -n_{ik}\ -\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ -n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ -n_s-1)!}{(\ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=l}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \ )}$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \ldots, j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ldots + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(l_i + \boldsymbol{n} - D - s)} \sum_{(j_s = l_s + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = l_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s -)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-\ \ -1)!}{(\ \ -j_s+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(\ \ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+\ \ -\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-l+1)}\sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1}\sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad{}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D \qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad j_i)!} -$$

$$\sum \sum^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}_{\qquad (\quad D-s+1)}$$

$$\sum_{= j_s + j_{sa}^{ik} - 1} \sum^{(\ )}_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(\ )}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\quad_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} \qquad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f z S_{\Rightarrow j_s, j_{ik}, j_i} \sum_{k=l}^{(J_s \quad -D)}^{\quad -l+1)}$$

$$\sum_{j_{ik}= \quad +j_{sa}^{ik}-D}^{l_i + j_{sa}^{ik} - l - s + \quad} \sum^{(\quad)}_{(l_i - l_{ik})}$$

$$\sum_{n_i = n + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + \quad j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_i})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-} \sum_{n_s=n_{ik}+j_{ik}-j_i}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s \quad \quad j_{sa}^{ik} - \quad - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \quad - \Bbbk_2)! \cdot (\boldsymbol{n} \quad j_{ik} + j_{sa} \quad s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \quad 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j \quad \leq j_{ik} - j_{sa}^{ik} \quad 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} \quad \wedge$

$j_{ik} \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$\quad_{ik} - j_{sa}^{ik} \quad 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad \quad_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge \quad \quad \wedge$

$j_{sa}^{ik} = j_{sa}^i \quad \quad \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\quad \{j_{sa}^s, \quad \quad 1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_i^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{+j_{ik}+j_i-\Bbbk_2}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{\ldots - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot
$$

$$
\frac{(\ldots - n_s - 1)!}{\ldots - j_{ik} - 1) \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-\boldsymbol{l}+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (l_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l}_{ik}-\boldsymbol{l}_i} \sum_{(j_i=\boldsymbol{l}_{ik}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l}_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - l_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + \cdots)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\cdots - j_i)!}$$

$$\sum_{(\cdots = \boldsymbol{l})}^{(\cdots)} \sum_{(j_s = j_{ik} - j_{sa}^{ik})}^{(\cdots)}$$

$$\sum_{j_{ik} = j_i + \cdots \boldsymbol{l_i}}^{(\cdots + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\cdots)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{(\cdots)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1}^{(\,)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\cdots)}$$

$$\frac{+ j\cdots + j_{sa}^s - j_s - s - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \boldsymbol{n} \cdots_1 - \mathbb{k}_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \cdots \boldsymbol{n} \cdots \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le \boldsymbol{l} \le D \cdots \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \cdots j_s \cdots j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\Bbbk - j_{sa}^{ik}+1)} \sum_{(j_s = \boldsymbol{n} - D)} \sum_{=l_{ik}+n-}^{i k - l} \sum_{(=j_{ik}+l_i-l_{ik})} \sum_{n_i}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)} \sum_{n_{ik}=\Bbbk_2-j_{ik}+1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1 \right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\;\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\;+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\;)}^{(n_{ik}+j_{ik}\;-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n\;- 1)!}{(j_s\;- 2)! \cdot (\;-n\;-j_s+1)!} \cdot$$

$$\frac{(\;_{is} - n_{ik}\;-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(\;_{ik}-n_s-1)!}{(\;-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\quad)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\ )}$$

$$\frac{(D-\boldsymbol{l_i}\ )}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\ (\ \boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}=j_{sa}^i-1\wedge j_{sa}^s>j_{sa}^{ik}-1$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\ ,j_{sa}^i\right\}\wedge$$

$$s>3\wedge\boldsymbol{s}=\ +\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\ +\Bbbk_2\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - \cdots - \boldsymbol{l} + 1)! \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{} + 1)!}{(j_s + \boldsymbol{l}_{ik} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \cdots - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le l \le D + l_s + s - n - l_i \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \ge n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2_{\dots,j_s,j_{ik},j_i} \sum_{\dots}^{\dots} \sum_{(j_s = l_s + n - D)}^{(l_{ik} + D - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{\dots - l + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ \ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum^{-l_{ik})}$$

$$\sum \sum^{(n_i - j_s + 1)}$$

$$\sum_{n_{is} + \ldots j_{ik} - \mathbb{k}_1} \sum_{(n_{ik} \ldots j_i - \mathbb{k}_2)}^{(n_{ik} \ldots j_i - \mathbb{k}_2)}$$

$$\sum_{n_i \ldots + \mathbb{k}_2 - j_{ik}} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - \ldots_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+l_i-l_{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+\ \ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s- \ \ -\Bbbk\ )!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)! \cdot (\boldsymbol{n}+j\ \ \ j_{sa}^s-j_s- \ \ j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s \ \ \boldsymbol{l}-1)!}{\ \ \ -\boldsymbol{l}+ \ \ ! \cdot (j_s-2)!}$$

$$\frac{(D- \ \ )}{(D+j \ \ \boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$$

$$D+\boldsymbol{l_s}+s-\boldsymbol{n}-l_i+1 \leq \boldsymbol{l} \leq \ \ \ +1 \wedge$$

$$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+ \ \ -j_{sa}^{ik} \leq j_i \ \ \ \ \wedge$$

$$\boldsymbol{l} \ \ -j_{sa}^{ik}+1 \ \ \boldsymbol{l} \ \wedge l_i+ \ \ ^{ik}-s=\boldsymbol{l} \ \ \wedge$$

$$D \ \ \boldsymbol{n} < n \wedge I = \Bbbk \ \ 0 \wedge$$

$$\ \ ^{ik}=j_{sa} \ \ 1 \wedge j_{sa}^s > j_s \ \ -1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s \ \ \cdots, \Bbbk_1, \ \ \ \Bbbk \ \ \} \wedge$$

$$s \ \ 3 \wedge \ \ s+\Bbbk \wedge$$

$$\Bbbk_z: z=2 \ \ \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \quad - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \quad - j \quad - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} \quad n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} \quad j_{ik} - n_s - j)} \cdot$$

$$\frac{(\quad)}{(n_s \quad j_i - \boldsymbol{n} \quad - j_i)!} \cdot$$

$$\frac{\quad - \boldsymbol{l} - 1)!}{(\quad - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \quad - j_{sa}^{ik} + 1\right)!}{(\quad + \boldsymbol{l_{ik}} \quad \quad)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{} \sum_{\left(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1\right)}^{(\boldsymbol{l_s} - l + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{} \sum_{\left(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}}\right)}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{(l_s + s - l)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad_{sa}^{ik} + 1)!}$$

$$\frac{(\qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{=j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - \boldsymbol{l} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \ -$$

$$\sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik}} \sum_{(j_i = s+1)}^{(l_s + s}$$

$$\sum_{=n+\Bbbk \ (n_{is} = n}^{n} {}^{(n_i \quad +1)}$$

$$\sum_{n_{ik} = n_{is} + \quad j_{ik} - \Bbbk_1 \ (\quad -j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \quad j_s - s - \quad {}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j \quad j_s - s - j_{sa}^{ik})!} \ \cdot$$

$$\frac{(l_s - l - 1)!}{(l \quad j_s - l + 1)! \cdot (j_s - 2)!} \ \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\Big((D \quad n < n \land l \quad l \land l_s \le D - \quad 1 \quad$$

$$1 \quad j_s \le j_{ik} - \quad {}^{ik} + 1 \land$$

$$j_{ik} \quad j_i + j_{sa}^{ik} - s \land$$

$$\quad {}^{ik} + s - \quad {}^{ik} \le j_i \le n \quad$$

$$l_{ik} - \quad {}^{ik} + 1 > \quad + j_{sa}^{ik} - s > l_{ik} \land$$

$$l_i \le D + \quad n\Big) \lor$$

$$(D \ge n \quad \land l \ne \quad {}_i l \land l_i \le D + s - n \land$$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \land$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n\Big) \lor$$

$\left(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge \right.$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$

$\left.\boldsymbol{l}_i \leq D + s - \boldsymbol{n}\right)\right) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s \ldots, j_i} = \left(\sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s+1)}^{(l_s+s-l)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{j_s = 2}^{}$$

$$\sum_{j_i + j_{sa}^{ik} - s}^{(l_{ik} + \ldots + 1)} \sum_{l_s + s - l + 1}^{}$$

$$\sum_{n_i \ldots + \Bbbk\,(n_{is} = n + \Bbbk - j_s + 1)}^{(\ldots j_s + 1)}$$

$$\sum_{n_{ik} = \ldots \Bbbk_2 - j_{ik} + 1}^{\,n_{is} \ldots - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\ldots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left.\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}\right) +$$

$$D > \boldsymbol{n} < n$$

$$\left(\sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\cdots-\Bbbk_2)}$$

$$\frac{(\cdots - n_{is} \cdots 1)!}{(j_s \cdots)! \cdot (n_i \cdots + 1)!} \cdot$$

$$\frac{(\cdots - n_{ik} \cdots - 1)!}{(\cdots - j_s - 1)! \cdot (\cdots_{ik} + j_s \cdots_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\cdots - n_s - 1)!}{(\cdots_{ik} \cdots)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \cdots - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j \cdots - j \cdots - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} \cdots n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} \cdots j_{ik} - n_s - j \cdots)} \cdot$$

$$\frac{(\cdots)}{(n_s \cdots j_i - \boldsymbol{n} \cdots - j_i)!} \cdot$$

$$\frac{(\cdots - \boldsymbol{l} - 1)!}{(\cdots - j_s - \cdots 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \cdots - j_{sa}^{ik} + 1\right)!}{(\cdots + \boldsymbol{l_{ik}} \cdots \cdots)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} \cdots \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-l+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-l-j_{sa}^{ik}+2)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(l_s - - \boldsymbol{l} + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} -)}{(j_{ik} + \boldsymbol{l_i} - - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_{i} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{()} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_s} + s - \boldsymbol{l})} \sum_{(j_i = s + 1)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{()} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_2^{s} \Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\ \ -\boldsymbol{l}+1)} \sum_{(j_s=\ )}$$

$$\sum_{j_{ik}=\ -j_{sa}^{ik}-\boldsymbol{l}+1}^{(\ \ ^{ik}-\boldsymbol{l}-s+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{\ -j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}- \quad {}^{ik}-\Bbbk -\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1- \ )!\cdot(\boldsymbol{n}\quad {}_{k}+j_{sa}\quad -j_{sa}^{ik})!}\cdot$$

$$\frac{(\quad -\boldsymbol{l}-1)!}{(\quad -j_s-\quad +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(\quad +j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ _i\boldsymbol{l}\wedge\boldsymbol{l}_s\quad D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{s}^{\ } \quad +1\wedge$$

$$j_{i} = j_i+j_s\quad -s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\quad \boldsymbol{n}\wedge$$

$$\boldsymbol{l}_{ik}-j\quad +1>\boldsymbol{l}_s\wedge\boldsymbol{l}_i\quad j_{sa}^{ik}-s>\boldsymbol{l}_{ik}\wedge$$

$$\boldsymbol{l}_i\leq D+s\quad)\vee$$

$$(D\quad \quad n\wedge\boldsymbol{l}\neq\ _i\boldsymbol{l}\wedge\boldsymbol{l}_i\leq D+s-\boldsymbol{n}\wedge$$

$$1\leq j_s\leq j\quad -j_{sa}^{ik}+1\wedge$$

$$j_{ik}\quad +j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\big)\vee$$

$$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ _i\boldsymbol{l}\wedge\boldsymbol{l}_s\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \big\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \big\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$fz S_{\Rightarrow j_s \, \ldots \, j_i} = \Bigg(\sum_{k=\boldsymbol{l}}^{\ldots} \sum_{(j_s = 2)}^{(\ldots_k - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \Big(\sum_{}^{} $$

$$\sum_{}^{(n_i-j_s+\;)} \sum_{n_{is}+\;\;j_{ik}-\Bbbk_1}^{n+\Bbbk\;(n\;\;n+\Bbbk-j_s+1)} \sum_{}^{(n_{ik}\;\;j_i-\Bbbk_2)}$$

$$\sum_{n\;\;\;n+\Bbbk_2-j_{ik}}^{} \sum_{(n_s=n-j_i+1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \;\;)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \;_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \Big) +$$

$$\Big(\sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}+1\right)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{\left(n_{is}=\boldsymbol{n}+\Bbbk-j_s\right)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{\left(n_s-j_i+1\right)}^{\left(n_{ik}+j_{ik}-j_i-\Bbbk\right)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s-1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{\left(j_s+l_{ik}-j_{ik}-l_s\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{\left(j_{ik}+\boldsymbol{l_i}-j_i-l_{ik}\right)!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{l_{ik}-l+1} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}+1\right)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{\left(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\right)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ldots i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{(\ldots-j_s+\ldots)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\ldots-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ldots-j_i-\boldsymbol{l}\ldots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\sum_{k=\boldsymbol{l}}^{(\;)}\;\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\;\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\;)}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!}$$

$$\frac{}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad i)!} -$$

$$\sum \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - \boldsymbol{l} +}$$

$$\sum_{= j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{{}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq\ _i l \wedge l_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq\ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_i - s + 1 > l_s \wedge$

$l_i \leq D + s - \boldsymbol{n})) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik}\ \ldots\ \wedge$

$\boldsymbol{s}{:}\left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ldots$

$\Bbbk\ldots z = 2 \wedge \ldots = \Bbbk_1 + \ldots \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \left(\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -\, \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - \ldots - \boldsymbol{l} + 1)! \cdot (\ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \ldots - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}\right.$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ )!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\ - j_i)!} \Bigg) \cdot$$

$$\sum_{k=l}^{l+1} \sum_{(j_s = \ )}$$

$$\sum_{j_{ik} - \ j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(\ + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D > \boldsymbol{n} < \ \wedge l \neq \ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq l \leq D \ l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(j_i - j_{sa}^{ik}+1)} \sum_{0_s \ldots}$$

$$\sum_{j_{ik}=j_i+j_{sa}\ldots}^{(l_s+s-l)} \sum_{\ldots +\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+\ldots j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_s-1)!}{(j_s-2)!\cdot(n_i-n_s-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}+\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(n_s-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\;)}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \ )}$$

$$\frac{(D - \boldsymbol{l_i}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \quad \boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} \quad - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{s} \quad j_{sa}^{ik} - 1 \wedge$$

$$s \quad (j_{sa}^s, \cdots, \Bbbk_1 \quad {}^{ik}, \Bbbk_2, j_{s} \quad \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk$$

$$\Bbbk_z: z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\Big((D \geq n < n \wedge l \neq {}_il \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big) \vee$$

$$(D \geq n < n \wedge l \neq {}_il \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} \quad \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big)\Big)$$

$$D \geq n < n \wedge \dots = \Bbbk > \dots$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^{ik} \dots j_{sa}^{ik} - 1$$

$$s : \{j_{sa}^s, \dots \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_s \dots \wedge$$

$$s > 3 \wedge s = \dots \Bbbk \wedge$$

$$\Bbbk_{\dots} = \dots \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = l_i + n - D)}^{(l_s + s - l)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{n} - \boldsymbol{l} - 1)!}{(j_s - \Bbbk + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l}_{ik} - j_i - j_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_s+s-\boldsymbol{l}+1)}^{(\boldsymbol{l}_{ik}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - 1)!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{s=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_i}+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}+1)} \sum_{(j_s=)}$$

$$\sum_{j_{ik}=\boldsymbol{n}-D}^{jik-s-1} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l}-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_{i} - l - k + 2)}^{(l_i - 1)}$$

$$\sum_{n + k}^{(n_i - j_s + 1)} \sum_{(n + k - j_s + 1)}$$

$$\sum_{n_{is} + j_{ik} - k_1}^{} \sum_{(n_{ik} - j_i - k_2)}$$

$$\sum_{n + k_2 - j_{ik}}^{} \sum_{(n_s = n - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - k_1 - 1)!}{(j_{ik} - n_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - k_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

288         $D > \boldsymbol{n} < n$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-l)} \sum_{(j_i=l_i+\boldsymbol{n}-\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\ } \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - \ - j_{sa}^{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \ )! \cdot (\boldsymbol{n} \ _{ik} + j_{sa} \ - j_{sa}^{ik})!} \cdot$$

$$\frac{(\ l_s - \boldsymbol{l} - 1)!}{(\ - j_s - \ +1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D \ j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \ D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} \ \boldsymbol{l}_i - j_{sa}^{ik} + 2 \leq \ < D - \boldsymbol{n} \ 1 \wedge$

$1 \leq j_s \leq j_{i\ } \ j_{sa}^{ik} + \ )$

$j_{ik} = j_i + j_{sa}^{ik} - \ $

$j_{ik} + \ \ j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + \ > \boldsymbol{l}_s \wedge \boldsymbol{l}_i \ j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$D + \ \ \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \vee$

$(D \geq \boldsymbol{n} < \ \ \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D \ \ \ s - \boldsymbol{n} - \boldsymbol{l}_i - j_{sa}^{ik} + 2 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \boldsymbol{n} < l_i \leq D + l_{ik} + s - \boldsymbol{n} - j_{sa}^{ik}\Big)\Big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \big\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \big\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{\cdots}} = \sum_{k=l}^{(\cdots+1)} \sum_{(j_s=2)}^{(\cdots-l+1)}$$

$$\sum_{j_{ik}=\cdots+\boldsymbol{n}-D}^{l_{ik}} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\cdots-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{}$$

$$\sum_{j \dots = j_i + j_{sa}^{\dots}}^{+s-l} \sum_{}^{\dots l \dots -D)}$$

$$\sum_{\dots \Bbbk (n_{\dots}}^{(n_i - j_s + 1}\sum_{}^{\Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \dots j_{ik} - \Bbbk_1}^{}\sum_{(\dots n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{(n_i + j_{ik} \dots j_{sa}^{s} - j_s - \dots j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i \dots \Bbbk_1 - \dots)! \cdot (\boldsymbol{n} \dots_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \dots l \wedge l_s \leq \dots - 1 \wedge$

$2 \leq l \dots D + l_s + s - \dots - l_i \wedge$

$1 \leq j_s \leq j_{ik} \dots j_{sa}^{ik} + 1 \wedge$

$j_{ik} \dots j_i \dots j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j^{\dots} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \dots_{sa} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-\cdots}^{l_s+j_{sa}^{ik}-l} \sum^{}_{(\cdots j_{ik}-j_{sa}^{ik})}$$

$$\sum_{=n+\Bbbk}^{} \sum_{}^{(\cdots n+\Bbbk-j_s+1)}$$

$$\sum_{n_{is}\cdots j_{ik}-\Bbbk_1}^{} \sum_{}^{(\cdots j_i-\Bbbk_2)}$$

$$\sum_{=n+\Bbbk_2-\cdots}^{} \sum_{(n_s=n-j_i+1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \cdots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_{\ })}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i - 1)}{(j_s - 2) \cdot (n_i - n_{is} - 1)!} \cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_i - n_{is} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\ - n_s - 1)}{(j_i - \ - 1)! \cdot (\ _{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j\ \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - l_i \quad)}{(D + j_i - \boldsymbol{n} - l_i)! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq\ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq\ _i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s \quad - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa} \quad j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^s, \cdots, \Bbbk_1 \quad^{ik}, \Bbbk_2, j_{s} \quad \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \quad$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ldots-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\;-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\Big((D \geq n < n \wedge l \neq {}_il \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big) \vee$$

$$(D \geq n < n \wedge l \neq {}_il \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_{ik} + s - n - l_i - j_{sa}^{ik} \ \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_{ik} + s - n - j_{sa}^{ik}\Big)\Big)$$

$$D \geq n < n \wedge = \Bbbk >$$

$$j_{sa}^{ik} \quad j_{sa}^{i} - 1 \wedge j_{sa} \quad j_{sa}^{ik} -$$

$$s : \{j_{sa}^{s}, \quad \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_s \quad \wedge$$

$$s > 3 \wedge s = \quad \Bbbk \wedge$$

$$\Bbbk_2 \quad = \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l-1)!}{(l-j_s-1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\right)!}{\left(l_{ik}-j_{ik}-j_s\right)! \cdot \left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \cdots}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \cdots (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \cdots 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \cdots (j_{ik} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D \cdots \boldsymbol{l})!}{\cdots (\boldsymbol{n} - \boldsymbol{l_i}) \cdots (\boldsymbol{n} - j_i)!)}$$

$$\left(\sum_{\boldsymbol{s} = \boldsymbol{l}} \sum_{(j_s = 2)}^{\cdots^{ik}_{sa} + 1} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_i} + j^{ik}_{sa} - D - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \ \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdots (\ - j_i)!}$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik} \ldots _{sa}^{ik}+1)}$$

$$\sum_{-\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}\ldots -s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\ldots -\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}^{} \sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_{ik} - l + 1} \sum_{}^{} \sum_{}^{(n_i - j_s + 1)} \sum_{n + \Bbbk}^{} \sum_{(n + \Bbbk - j_s + 1)}^{} \sum_{n_{is} + \ldots j_{ik} - \Bbbk_1}^{} \sum_{(n_{ik} \ldots j_i - \Bbbk_2)}^{} \sum_{n \ldots n + \Bbbk_2 - j_{ik}}^{} \sum_{(n_s = n - j_i + 1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) -$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - i)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{(\ )} \sum_{= n_{ik} + j_{ik} - j_i - }^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \cdots{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa} - \cdots - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\quad - \boldsymbol{l} - 1)!}{(\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D - j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq \quad - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$

$1 \leq j_s \leq j_{i} - j_{sa}^{ik} + \quad \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \quad \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + \quad > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + \quad \boldsymbol{n} < \boldsymbol{l}_i \quad + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l} = \Bbbk > 0 \wedge$

$\quad = \quad \wedge 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{ik}^{})}^{(\;)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\;\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j\; -1}^{n_{is}+j_s-j_{ik}\;} \sum_{(n_s=n-j_i+\;)}^{\;k+j_{ik}\;j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s-2)!\cdot(\;-n\;-j_s+1)!} \cdot$$

$$\frac{(\;-n_{ik}\;\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\;n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(\;-n_s-1)!}{(\;-j_{ik}-1\;)\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)!\cdot(n-j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)!\cdot(j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)!\cdot(j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)!\cdot(n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (l_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq \ _il \wedge l_s \leq D - n + 1 \wedge$

$D + l_s + s - n - l_i + 1 \leq l \leq \ _il - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad \quad {}_i)!} -$$

$$\sum \sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{\quad \quad (\quad D - s + 1)}$$

$$\sum_{=j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{{}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \qquad)} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - \quad 1)!}{(j_s + l_{ik} - j_{ik} - l_s \quad (j_{ik} - j_s \quad + 1)!} \cdot$$

$$\frac{(l_i)!}{\cdot \boldsymbol{n} - \quad \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum \quad \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{ik = j_s + j_{sa}^{ik} - 1}^{ik - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \right) +$$

$$\left(\sum_{k=l}^{(l_i + n - D - s)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = l_s + n - D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{}^{(l_{ik} + s \, - j_{sa}^{ik} + 1)}$$

$$\sum_{}^{(n_i - j_s + 1)}$$

$$\sum_{}^{\Bbbk \, (n_{is} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik}}^{} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} \, + j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\;\;\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\;\;+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\;)}^{(n_{ik}+j_{ik}-\;\;i-\Bbbk_2)}$$

$$\cdot \frac{(n_j - n\;\; - 1)!}{(\;\;s\;\; - 2)! \cdot (\;\;n\;\; j_s + 1)!} \cdot$$

$$\frac{(\;\;_{is} - n_{ik}\;\; + \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s\;\; n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\;\; - n_s - 1)!}{(\;\; - j_{ik} - 1\;\;) \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(-\boldsymbol{l}-1)!}{(-j_s-1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{ik}-j_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \;_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \wedge$

$\Bbbk_: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(l_s + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots \boldsymbol{l} - 1 \ldots)}{(\boldsymbol{l}_s - \ldots - \boldsymbol{l} + 1 \ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\ldots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ldots)}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{( )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{+ j_{sa}^{ik} - s} \sum_{(j_i = +\boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s})}$$

$$\sum_{n_i + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_{is} + 1)}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{( )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(-\boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \leq D - \boldsymbol{n} + 1 \land$$

$$D + + s - \boldsymbol{n} \quad 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \land$$

$$1 \leq j_s \leq j \quad j_{sa}^{ik} + 1 \land$$

$$- j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)} \sum_{j_{sa}^{ik} - s}^{(l_{ik} + s - l)} \sum_{(j_i = \boldsymbol{n} + s - D - j_{sa}^{ik})} \sum_{n_i}^{n} \sum_{\Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\cdots + 1)} \sum_{n_{is} = \cdots - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1 \right)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \ \ \ \ j^{ik} - \ \ - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \ )! \cdot (\boldsymbol{n} \ \ j_{ik} + j_{sa} \ \ - j_{sa}^{ik})!} \cdot$$

$$\frac{\ \ \ \boldsymbol{l_s} - \boldsymbol{l} - 1)!}{\ \ - j_s - \ + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \ \ j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \ \ - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \ \leq j_{ik} - j_{sa}^{ik} + \ \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \ \ \wedge$

$j_{ik} + \ \ - j_{sa}^{ik} \leq j_i \leq \ \ \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \ \ _{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + \ \ \boldsymbol{n} < \boldsymbol{l_i} \ \ \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < \ \ \boldsymbol{J} = \Bbbk > 0 \wedge$

$\ ^{ik} = j^i \ \ 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\,_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-\,\,)}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\,\,\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\,\,}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+\,\,)}^{(\,\,+j_{ik}\,\,-\Bbbk_2)}$$

$$\frac{(\quad - n_{is}\quad 1)!}{(j_s\quad 2)!\cdot(n_i\quad\quad_s+1)!}\cdot$$

$$\frac{\quad - n_{ik}\quad\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\quad_{is}+j_s\quad n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\quad - n_s-1)!}{(\quad-j_{ik}-1\quad\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(l_s-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_i l - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-l+1} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s \quad _{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - l_i)! \cdot (\quad j_i)!} -$$

$$\sum \sum_{(\quad - j_{sa}^{ik}+1)}$$

$$\sum_{=l_{ik}+\boldsymbol{n}-D} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}+j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik}+j_{ik}-j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \boldsymbol{n} \wedge \boldsymbol{l} \neq \quad_i \boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum \sum_{(\;=2)}^{(\boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_s)}$$

$$\sum_{=\boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{l+1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_s + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{\boldsymbol{n} + \Bbbk\,(n_{is} = \boldsymbol{n} + \ldots + 1)}^{n} \sum_{}^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - \ldots} \sum_{(\ldots j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (\ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})} \cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)}{(\boldsymbol{l}_s-j_s-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\ -\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - \ = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq \ + \boldsymbol{l}_s + s - \boldsymbol{n} - \ \wedge$

$D \ \boldsymbol{n} < n \wedge \ = \Bbbk > 0$

$j_{sa} \ j_{sa}^i - 1 \wedge j_{sa}^s \ j_{sa}^{ik} - 1$

$\ \colon \{j_{sa}^s, \ \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j \ \ \wedge$

$s > 3 \wedge \boldsymbol{s} = \ \Bbbk \wedge$

$\Bbbk_2 \ = \ \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)} \sum_{(j_s=2)}^{}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_{} - j_{} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_s - j_{})!} \cdot$$

$$\frac{(n_{} - 1)!}{(n_s - j_i - \boldsymbol{n} - - j_i)!} \cdot$$

$$\frac{(- \boldsymbol{l} - 1)!}{(- j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - - j_{sa}^{ik} + 1\right)!}{\left(+ \boldsymbol{l_{ik}} - - \right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{()} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_{ik} + s - n - j_{sa}^{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_{ik} - l + 1} \sum_{(j_i = l_i + n - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad \boldsymbol{l_i})!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_i})! \quad - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_s^{ik}$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa} \quad j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^{s}, \cdots, \Bbbk_1 \quad {}^{ik}, \Bbbk_2, j_{sa} \quad \wedge$

$s \quad 3 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \ldots + 1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{\ldots} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \ldots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ldots - j_i - \boldsymbol{l}\ldots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ldots \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} \ldots 1 \wedge$

$1 \ldots j_s \leq j_{ik} \ldots {}_a^{ik} + 1 \ldots$

$j_{ik} \ldots j_i + j_{sa}^{ik} - s \ldots$

$j_{\ldots k} + s \ldots {}_a^{ik} \leq j_i \leq \boldsymbol{n} \ldots$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \ldots \boldsymbol{l} \wedge \boldsymbol{l} \ldots j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{i\ldots}} \leq D \ldots {}_a^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < \boldsymbol{n} \ldots I = \Bbbk > 0 \wedge$

$j_{sa}^{i\ldots} - j_{sa} - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=s+\ldots)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-n_i-\Bbbk_2)}$$

$$\frac{(n_j - n_{\ldots} - 1)!}{(j_s - 2)! \cdot (\ldots - n_{\ldots}- j_s + 1)!} \cdot$$

$$\frac{(\ldots_s - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\ldots - n_s - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - \;)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \; - 1)!}{(\; - j_s - \boldsymbol{l} + \;)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} + j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\; - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \; - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \,_i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_{\cdots} \Rightarrow j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=\boldsymbol{l}}^{(\ \ -\boldsymbol{l}+1)} \sum_{(j_s=\ \ )}$$

$$\sum_{j_{ik}=\ \ -j_{sa}^{ik}-\boldsymbol{l}+1}^{\ \ ik-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}\ \ \boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\ } \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{\ -j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l}_i -)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{(\ )} \sum_{= n_{ik} + j_{ik} - j_i - }^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - ^{ik} - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} _{ik} + j_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{ - \boldsymbol{l} - 1)!}{ - j_s - + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq _i \boldsymbol{l} \wedge \boldsymbol{l}_s \leq - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{s}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq < \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - ^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l} j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_{ik} \leq D + ^k - \boldsymbol{n} \wedge$$

$$D \geq < n \wedge I 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+l_i-l)}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ \ 1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(\ \ _{ik}+j_{ik}\ _i-\Bbbk_2)}$$

$$\frac{(n_i-n\ -1)!}{(j_s\ \ 2)!\cdot(\ \ _{\ }\ j_s+1)!}\cdot$$

$$\frac{_s-n_{ik}\ \Bbbk_1-1)!}{(j_{ik}-j_s-1)\,(n_{is}+j_s\ \ n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ -n_s-1)!}{\ -j_{ik}-1\ \cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \ )}$$

$$\frac{(D - l_i}{(D + j_i - \boldsymbol{n} - l_i)! \ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq\ {}_il \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s\ \ - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{\ } \ \ j_{sa}^{ik} - 1 \wedge$

$s\ (j_{sa}^s, \cdots, \Bbbk_{\ \ }^{ik}, \Bbbk_2, j_{\ }\ \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ \ $

$\Bbbk_z : z - \ \ \wedge \Bbbk = \Bbbk_1 + \ \ \ \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\ \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_s+s-l)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\ldots)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{(\ldots-j_s+\ldots)\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-\ldots-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ldots-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum \sum_{(\quad {}^{ik}_{sa}+1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{ \quad _i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{ \quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\boldsymbol{n} \qquad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{} \sum_{} \sum_{(j_s=2)}^{(l_s - l)}$$

$$\sum_{j_{ik}=j_i + l_{ik} - l_i}^{} \sum_{(j_i = l_i + \boldsymbol{n} - D)}^{(l_i - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \; -$$

$$\sum_{k=\boldsymbol{l}} \; \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \; \sum_{(=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk \; (n_{is}=\boldsymbol{n} \quad +1)}^{n \quad (n_i \quad +1)}$$

$$\sum_{n_{ik}=n_{is}}^{(\;)} {}_{(\; -j_i-\Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa} \quad j_s - s - {}_{a}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j \quad - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \quad j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \quad \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} \quad 1 \wedge$

$2 \quad \boldsymbol{l} \leq D + \quad + s - \boldsymbol{n} \quad \boldsymbol{l_i} \wedge$

$1 \leq \quad_s \leq j_{ik} - j_{sa}^{ik} \quad 1 \wedge$

$j_{ik} = j_i \quad j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \quad j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} \quad j_{sa}^{i} \quad 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} \quad \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \cdots}^{n} \sum^{(\cdots j_s + 1)}$$

$$\sum^{n_{is} + j_s - \cdots \Bbbk_1} \sum^{(n_{ik} + j_{ik} - j \cdots)}$$

$$\frac{(n_i - n_{is} \cdots}{(j_s - 2) \cdots (n_i - n_{is} - j_s + 1)!}$$

$$\frac{(n_{is} \cdots_{ik} - \Bbbk_1 \cdots 1)!}{(j_{ik} \cdots j_s - 1)! \cdot (n \cdots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{\cdots_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l} \sum_{(j_s=2)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l - 1)!}{(l - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - j_s - j_{sa}^{ik} + 1\right)!}{(j_{ik} + \boldsymbol{l_{ik}} - j_s - l)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$D + l_s + s - n - l_i + 1 \leq l \leq {}_i l - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$s : \{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{s} - 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(\boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(\ldots)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{(\ldots + \boldsymbol{n} + j_{sa}^{ik} - D - s)}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \, \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \, \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \, \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \, \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \, \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \, \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \, \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz_{l_{ik}}^{\cdots}{}^{\cdots}{}_{j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{\cdots} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+j_{sa}^{ik}-D-s}^{j_{sa}^{ik}-\boldsymbol{l}-s+\cdots} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum^{}_{}$$

$$\sum_{}^{} \sum_{}^{(n_i - j_s + \ldots)}_{}$$

$$\sum_{n_{is} + \ldots j_{ik} - \Bbbk_1}^{} \sum_{(n_{ik} \ldots j_i - \Bbbk_2)}^{}$$

$$\sum_{n_{ik} \ldots \boldsymbol{n} + \Bbbk_2 - j_{ik}}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\quad)} \sum_{(j_i=j_{ik}+l_i-l_{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\quad)} \sum_{(n_s=n_{ik}+\quad-j_i-\Bbbk_2)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa} \quad -\Bbbk \;)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik} \quad j_{sa}^s-j_s \quad j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s \quad l-1)!}{(\quad -l+\quad)!\cdot(j_s-2)!}$$

$$\frac{(D- \quad)}{(D+ \quad \boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \ge \boldsymbol{n} < n \land l \ne \quad_i l \land l_s \le D-\boldsymbol{n}+1 \land$

$D+l_s+s-\boldsymbol{n}-l_i+1 \le l \quad \land$

$1 \le j_s \le j_{ik}-j_{sa}^{ik}+1 \land$

$j_{ik}=j_i+j_{sa}^{ik}-s \land$

$j_{ik}+ \quad -j_{sa}^{ik} \le j_i \le \quad \land$

$l_{ik}-j_{sa}^{ik}+1 > \quad \land l_i+ \quad -s=l \quad \land$

$D+ \quad -\boldsymbol{n} < l_i \le D \quad l_s+s \quad -1 \land$

$\quad \ge \boldsymbol{n} < \quad \land I=\Bbbk > \quad$

$j_{sa}^{ik}= \quad_{\quad}-1 \land \quad_{sa}-1 \land$

$\boldsymbol{s}: (j_{sa}^s, \cdots \quad , j_{sa}^{ik}, \Bbbk_2, j_{sa}^i) \land$

$\quad > 3 \land \quad \quad s+\Bbbk \land$

$\Bbbk_z: z=2 \land \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \qquad -1)}{(j_s-2) \cdot (n_i-n_{is} \quad +1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk\ -1)!}{(j_{ik}-j_s-1) \cdot (n_i-n_{is}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\quad -n_s \quad)}{(j_i \quad -1)! \cdot (\quad_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j \quad \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - \ldots)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \ldots \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ldots \wedge$

$\Bbbk_{\ldots} : z = 2 \wedge \ldots = \Bbbk_1 + \ldots \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - l_i}^{(l_s + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(l_s - l + 1)! \cdot (\boldsymbol{l} - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - 1)! \cdot (j_{ik} - l - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - l_i}^{(\boldsymbol{l_{ik}} + s - l - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_s} + s - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{+l_{ik} - l_i}^{(l_s)} \sum_{(j_i = +n+s-D-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i + \Bbbk}^{(\ -j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(\ )}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- n - \Bbbk_1 - \Bbbk_2)! \cdot (n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < \quad \wedge l \neq {}_i l \wedge \quad \leq D - n + 1 \wedge$$

$$D + \quad + s - n \quad 1 \leq l \leq {}_i l - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$\quad - j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{j_s=2}^{(l_s-l+1)}
$$

$$
\sum_{l_{ik}-l_i}^{(l_{ik}+s-\cdots)} \sum_{(j_i=\cdots n+s-D-j_{sa}^{ik})}^{}
$$

$$
\sum_{n_i}^{n} \sum_{\Bbbk\, (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\cdots+1)}
$$

$$
\sum_{n_{is}=\cdots-j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-\quad -j_a^{ik}-\quad-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\quad)!\cdot(\boldsymbol{n}\quad j_{ik}+j_{sa}^{\quad}\quad-j_{sa}^{ik})!}\cdot$$

$$\frac{(\quad\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\quad-j_s-\quad+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\quad j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge \boldsymbol{l}\neq\ _i\boldsymbol{l}\wedge \boldsymbol{l_s}\leq\quad-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\quad j_{ik}\quad j_{sa}^{ik}+\quad\wedge$

$j_{ik}=j_i+j_{sa}^{ik}-\quad\wedge$

$j_{ik}+\quad-j_{sa}^{ik}\leq j_i\leq\quad\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\quad>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+\quad_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D+\quad\boldsymbol{n}<\boldsymbol{l_i}\quad\quad\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$

$D\geq\boldsymbol{n}<\quad\quad J=\Bbbk>0\wedge$

$\quad^{ik}=j^i\quad\quad1\wedge j_{sa}^s>j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\right\}\wedge$

$s>3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ \ 1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{\ +j_{ik}\ \ -\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\quad -n\quad -j_s+1)!}\cdot$$

$$\frac{\ -n_{ik}\quad \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\ (n_{is}+j_s\quad n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\quad -n_s-1)!}{\quad -j_{ik}-1\ \cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\ldots)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{(\ldots-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ldots-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \ _i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq l \leq \ _i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-l+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad{}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad{}_i)!} -$$

$$\sum_{\quad}^{\left(\quad\right)} \sum_{\quad}^{{}_{sa}^{ik} + 1)}$$

$$\sum_{=\boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \quad {}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{\left(\quad\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{\left(\quad\right)}$$

$$\frac{\left({}_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum = \sum_{j}^{(l_{ik}+\boldsymbol{n}-D-j_s)} \sum_{(=2)}$$

$$\sum^{\cdots l+1}_{\cdots = l_{ik}+\boldsymbol{n}-D} \sum^{(\ )}_{(j_i = j_{ik}+l_i-l_{ik})}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum_{(j_i = \ \ \ + l_i - l_{ik})}^{(\ \ \ )}$$

$$\sum_{-n + \Bbbk \ (n_{is} = \ \ )}^{n \ (n_i \ \ + 1)}$$

$$\sum_{n_{ik} = \ \ + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - } \sum_{(\ \ + j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk }$$

$$\frac{\quad - n_{is} - 1)!}{(\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ \ - \Bbbk_1 - 1)!}{(j_{ik} - \ \ - 1)! \cdot (n \ \ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{(\ \ )} \sum_{(j_i = j_{ik} + l_i - l_{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - \quad)}{(\boldsymbol{l}_s - j_s - \quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \quad \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j \quad}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - \quad = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq \quad + \boldsymbol{l}_s + s - \boldsymbol{n} - \quad \wedge$

$D \quad \boldsymbol{n} < n \wedge \quad = \Bbbk > \quad$

$j_{sa} \quad j_{sa}^i - 1 \wedge j_{sa}^s \quad j_{sa}^{ik} - 1 \quad$

$s : \{j_{sa}^s, \quad \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_s \quad \wedge$

$s > 3 \wedge \boldsymbol{s} = \quad \Bbbk \wedge$

$\Bbbk_2 \quad = \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l}+1)} \sum_{(j_s=2)}^{\quad}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\ \ )}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\ -\boldsymbol{l}-1)!}{(\ -j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{\left(\ +\boldsymbol{l_{ik}}-\ -j_s\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_il \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_il}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s)}^{(l_i - {}_il + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk (n_{ik}}^{n} \sum^{(\ )} \sum_{n_s = }^{j_{ik} - j_i - \Bbbk_2}$$

$$\frac{+ j_{ik} + j_s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i \boldsymbol{l} \wedge \ \leq D - \boldsymbol{n} + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = \ + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq \ \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} \ ^{ik} + 1 > \boldsymbol{l_s} \wedge \ + j_{sa}^{ik} - \ \boldsymbol{l_{ik}} \wedge$$

$$\ \leq D + \ - \boldsymbol{n}) \vee$$

$$(D \geq \ < n \wedge \ \wedge l_i \leq D + s - \boldsymbol{n} \wedge$$

$$1 \leq j_s \leq j \ - j_{sa}^{ik} + 1 \wedge$$

$$\ = j \ _{sa} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}\Big) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz \cdots, j_{ik}, j_i \left(\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)} \right.$$

$$\sum_{j_{ik} \cdots + j_{sa}^{ik} - s}^{\left(\ _ik + s - \ _il - j_{sa}^{ik} + 1\right)} \sum_{(j_i = s)}$$

$$\sum_{\substack{n \\ n_i = \boldsymbol{n} + \Bbbk}}^{n} \sum_{\substack{(n_i - j_{ik} - \Bbbk_1 + 1) \\ (n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}} \sum_{\substack{n_{ik} + j_{ik} - j_i - \Bbbk_2 \\ n_s = \boldsymbol{n} - j_i + 1}}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}$$

$$\frac{(n_{ik}-\ \ -1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+\ \ -j_i)!}\cdot$$

$$\frac{(\ \ -1)!}{(\ \ +j_i-\boldsymbol{n}\ \ )!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\ _{ik}-\boldsymbol{l_s}\ \ )!}{(l_{ik}-j_{ik}-\boldsymbol{l_s}+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(\ +\boldsymbol{l_i}-j_i-\boldsymbol{l}\ \ )!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$D > \boldsymbol{n} < n$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum_{k=\ _{i}l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{k=j_{sa}^{ik}}^{\ \ \ -\ _i l - s} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \ -$$

$$\sum_{k=\ _{i}l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_{i}\ldots}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)\ldots}{(D + s - \ldots)!\ldots(\boldsymbol{n} - s)!}$$

$\Big(\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} = {}_i\boldsymbol{l} \land \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$

$j_{ik} = j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \land \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik}\ldots - \boldsymbol{n} - j_{sa}\ldots \land$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} = {}_i\boldsymbol{l} \land \boldsymbol{l}_s \leq \ldots - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_{ik} - j_{s\ldots} \ldots 1 \land$

$j\ldots = j_i + j_{s\ldots} \ldots - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i\ldots \boldsymbol{n} \land$

$\boldsymbol{l}_i - s\ldots 1 > \boldsymbol{l}_s \land$

$D + s - \boldsymbol{n} \leq \ldots \leq D + \ldots_{ik} + s - \boldsymbol{n} - j_{sa}^{ik} \big) \big) \land$

$D\ldots \boldsymbol{n} \leq \ldots \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} = j_{sa}^i \ldots \land j_{sa}^s > j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \land$

$s > 3 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \left(\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 \ 1)!}{(j_{ik}-2)! \cdot (n_i \ _{ik} - j_{ik} - \Bbbk_1 \ 1)!} \cdot$$

$$\frac{(n_{ik} - n_s \ 1)!}{(j_i - j_{ik} \ 1) \ + j \ -n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)}{(n_s + j_i \ \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(\boldsymbol{l}_{ik} - j_i \ \boldsymbol{l}_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\,_il+1} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{\left(\boldsymbol{l}_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i=n+\mathbb{k}\,(n_{ik}}^{n} \sum_{-j_{ik}-\mathbb{k}_1}^{} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}^{}$$

$$\frac{\left(n_i + \ \ + j_{sa}^s - j_s - \ - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2\right)!}{\left(\ - \mathbb{k}_1 - \ \right)! \cdot \left(n + \ \ + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l = \ \ l \wedge l_s \leq D - n \ 1 \wedge$

$1 \ j_s \leq j_{ik} \ \ j_{ca}^{ik} + 1 \ $

$j_{ik} = j_i + j_{sa}^{ik} - s \ $

$j_{ik} + s \ \ _{ca}^{ik} \leq j_i \leq n \ $

$l_{ik} - j_{sa}^{ik} + \ \ l_s \wedge l \ \ _{sa}^{ik} - s = l_{ik} \wedge$

$D \ \ s - \ < l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \ \ I = \mathbb{k} > 0 \wedge$

$j_{sa} \ \ _{sa} - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$s : \left\{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n})}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 \quad)!}{(j_{ik}-2)! \cdot (n_i \quad - j_{ik} - \Bbbk_1 \quad 1)!} \cdot$$

$$\frac{(n_{ik} - n_s \quad 1)!}{(j_i - j_{ik} \quad 1)! \quad + j \quad - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_i \quad - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_il \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz S_{\Rightarrow j_s}^{\quad} j_i = \sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}\,_i l - s + 1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il}^{\ }\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\ }\sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}\ -j_i-\Bbbk_2}^{\ }$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\ -\Bbbk\ \right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}\ \ j_{sa}^s-j_s-s\ \ _a^{ik}\right)!}\cdot$$

$$\frac{(\ \ -\boldsymbol{l}_i)!}{(D\ \ \ -\boldsymbol{n}-\ \ )!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =\ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} +\ \ \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik}\ \ = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i\ \ \ D + \boldsymbol{l}_s + s - \boldsymbol{n}\ \ 1 \wedge$

$D \geq \boldsymbol{n} < n\ \ \ \boldsymbol{l} = \Bbbk >\ \ \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_s\ \ j_{sa}^{ik} -\ \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s\ \ ,\Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j\ \ \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} =\ \ + \Bbbk \wedge$

$\Bbbk_z:\ \ \ \ \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\ _il}^{\ }\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{\ }\sum_{(j_i=\boldsymbol{l}_{ik}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{\left(\boldsymbol{l}_{ik}+s-\ _i\boldsymbol{l}-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\underline{\quad})!}$$

$$\frac{(n_s-\underline{\quad})}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(l_{ik}-l_s-j_{sa}\underline{\quad})}{(l_{ik}-j_{ik}-\underline{\quad}+1)!\cdot(j_{ik}-\underline{\quad})!}\cdot$$

$$\frac{(D-\underline{\quad})}{(D-j_i-\underline{\quad})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\ _il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ )}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(\ _i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(\ -\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-s)!}$$

$$D\underline{\quad}\boldsymbol{n}\underline{\quad}\wedge \boldsymbol{l}=\ _i\boldsymbol{l}\wedge \boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$$

$$1\le j_s\le j\underline{\quad}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}-j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\le j_i\le \boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i}\le D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=l_{ik}+\boldsymbol{n}-}^{l_{ik}-l+1} \sum_{=j_{ik}+s-j_{sa}^{ik}}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ -ik-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-\ +1)}^{-j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{\ -2)! \cdot (\ -n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)! \cdot (j_{ik}-j_s-j_{sa}^{ik})!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = s)}^{\left(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il}\sum_{(j_s=)}^{(\ )}$$

$$\sum\sum_{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik})}^{(\ )} \sum_{n_s=}^{j_{ik}-j_i-\Bbbk_2}$$

$$\frac{+ j_{ik} + j_s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdots + j_{ik} + j_s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = \ + j_{sa}^{ik} - s$$

$$j \quad + s - j_{sa}^{ik} \quad \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} \quad j_{sa}^{ik} + 1 > \boldsymbol{l_s} \quad + j_{sa}^{ik} \quad \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D \quad j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge \quad \Bbbk \quad \wedge$$

$$j_{sa}^{i} \quad j_{sa}^{i} \quad 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots \quad , j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\ _il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-\,_il-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{ik}=\mathbf{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\mathbf{n}-j_i+}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}\quad\Bbbk_1+1)}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}\quad\quad-j_i)!}\cdot$$

$$\frac{(\quad n_s-1)!}{(n_s+j_i-\quad 1)!\cdot(\mathbf{n}-j_{ik})}\cdot$$

$$\frac{(l_{ik}-\quad ^{ik}\quad)!}{(l_{ik}-j_{ik}-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D\quad l_i)!}{(D+\quad-\mathbf{n}-l_i)!\cdot(\mathbf{n}-j_i)!}-$$

$$\sum_{k=\,_il}^{\quad} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\quad} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{\quad}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\mathbf{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\mathbf{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\mathbf{n}-l_i)!\cdot(\mathbf{n}-s)!}$$

$$D\geq\mathbf{n}<n\wedge l=\,_il\wedge l_s\leq D-\mathbf{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\mathbf{n}\wedge$$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s} \quad j_i = \sum_{k= {}_i\boldsymbol{l}}^{(\quad)} \sum_{(j_s=1,}^{}
$$

$$
\quad {}_i\boldsymbol{l}+1)
$$

$$
\sum_{j_{ik}=\;\;\boldsymbol{l}_{ik}-\boldsymbol{l}_i}^{} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{}
$$

$$
\sum_{n_i\quad+\Bbbk}^{n} \sum_{(n_{ik}\quad\Bbbk_2-j_{ik}+1)}^{(n\quad_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{({}_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$
\sum_{k= {}_i\boldsymbol{l}}^{(\quad)} \sum_{(j_s=1)}^{}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}}^{(\quad)} \sum_{(j_i=s)}^{}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - \ \ )!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \ \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\}$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z \ \ 2 \wedge \Bbbk = \Bbbk_1 \ \ \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_i+j_{sa}^{ik}-{}_i\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{(\;)} \sum_{(j_s=1)}^{(\;)} \sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{ik})}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{\left(n_i + \;\; + j_{sa}^{s} - j_s - \;\; - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2\right)!}{(\;\;\; - \boldsymbol{n} - \mathbb{k}_1 - \;\;_2)! \cdot \left(\boldsymbol{n} + \;\; + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \;\; \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \;\; 1 \wedge$

$1 \leq j_s \leq j_{ik} \;\; j_{sa}^{ik} + \;\;$

$j_{ik} = j_i + j_{sa}^{ik} - \;\;$

$j_{ik} + \;\; j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \;\;$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \;\; > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \;\; {}_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + \;\; \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \;\; \boldsymbol{l} = \mathbb{k} > 0 \wedge$

$j_{\;\;} \;\; 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-)}^{\left(l_{ik}+s-\,_i l-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{ik}=n+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1\ )!}{(j_{ik}-2)!\cdot(n\ -\ -j_{ik}-\Bbbk_1\ -1)!}\cdot$$

$$\frac{(n_{ik}-n_s\ -1)!}{(j_i-j_{ik}\ -1)!\cdot\ +j\ -n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i\ -n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(\ -l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j\ -l_s+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-n-\Bbbk_1-\Bbbk_2)!\cdot\left(n+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)!\cdot(n-s)!}$$

$$D \geq n < n \wedge l =\,_i l \wedge l_s \leq D-n+1 \wedge$$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s} \quad j_i = \sum_{k={}_i l} \sum_{(j_s=1)}^{(\;)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{-{}_i l+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$\sum_{k=\ _i\boldsymbol{l}}^{}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{}\sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}\ \ -j_i-\Bbbk_2}^{}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\ \ -\Bbbk\ \right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}\ \ -j_{sa}^s-j_s-s\ -j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\ \ -\boldsymbol{l_i})!}{(\ \ -\boldsymbol{n}-\ \ )!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow, i_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_s} + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = n - D)}$$

$$\sum_{j_{ik} = j_i + j_{sa}} \sum_{(j_i = l_s + s - l + 1)}$$

$$\sum_{+\Bbbk} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{n_{ik} = -\Bbbk_2 - j_{ik} + 1}^{(n_{is} - j_{ik} - \Bbbk_1)} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-)}^{(l_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - \qquad j_{sa}^{ik} - \qquad - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} \qquad j_{ik} + j_{sa} \qquad - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\qquad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \qquad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \qquad \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \qquad \boldsymbol{n} + 1 \wedge$$

$$2 \leq j \qquad j_{ik} - j_{sa}^{ik} \qquad \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - \qquad \wedge$$

$$j_{ik} \qquad - j_{sa}^{ik} \leq j_i \leq \qquad \wedge$$

$$\boldsymbol{ik} - j_{sa}^{ik} \qquad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \qquad \boldsymbol{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \qquad < n \wedge \qquad \wedge$$

$$j_{sa}^{ik} < j_{sa}^i \qquad \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\{ j_{sa}^s, \Bbbk \qquad {}_{sa}, \cdots, \Bbbk_2, j_{sa}^i \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s = l_s + n - D)}^{(l_s - l + 1)}
$$

$$
\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = l_i + n - D)}^{(l_i - l + 1)}
$$

$$
\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n + \Bbbk_2 - \ldots + 1}^{n_{is} + j_s - j_{ik}} \sum_{(n_s = n - j_i + \ldots)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n_i - \ldots - 1)!}{(j_s - 2)! \cdot (\ldots - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{\ldots} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - \ldots - \Bbbk_2 - 1)!}{(j_i - j_s - 1)! \cdot (n_{\ldots} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -
$$

$$
\sum_{k=l}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}
$$

$$
\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = l_i + n - D)}^{(l_s + s - l)}
$$

$$
\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)}$$

$$\frac{(D - l_i}{(D + j_i - \boldsymbol{n} - l_i)! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_{ik} + s - \boldsymbol{n} - l_i - j_{sa}^{ik} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1$

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad j_{sa}^i\right\} \wedge$

$\boldsymbol{s} > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=l_s+\boldsymbol{n}-D)} \right.$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-\boldsymbol{l})} \sum_{(j_i=l_i+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\dots-\Bbbk_2)!}$$

$$\frac{(n_s-\dots)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\dots i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\dots-1)!}{(\dots-j_s\dots+1)\dots(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\dots j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{\dots}\boldsymbol{l_s})!\cdot(\dots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\dots-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{}\sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad)} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\left. \frac{(D \qquad)!}{(D + j_i \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \qquad)!} \right) +$$

$$\left(\sum^{(j_{ik} - j_{sa}^{ik} + 1)}_{+ \boldsymbol{n} - D} \right.$$

$$\sum^{j_i + - s - 1}_{ik = \boldsymbol{l_{ik}} + \boldsymbol{n} - D} \quad \sum^{(\boldsymbol{l_s} + s - \boldsymbol{l})}_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum^{n}_{n_i = \boldsymbol{n} + \Bbbk} \quad \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum^{n_{is} + j_s - j_{ik} - \Bbbk_1}_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1} \quad \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)}$$

$$\sum_{k=l} \sum_{(j_s = n - D)}^{(l_s - l + 1)}$$

$$\sum_{-l_{ik} + n - D}^{j_i + j_{sa} - s - 1} \sum_{=l_s + s - l + 1}^{(l_{ik} + s - +1)}$$

$$\sum_{n_i \quad +\Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(+1)}$$

$$\sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{n_{is} \quad -j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n-\ \ +1)}^{(n_i\ \ +1)}$$

$$\sum_{n_{ik}\ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ } \sum_{(\ \ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ )}$$

$$\frac{\ -n_{is}-1)!}{(\ -2)! \cdot (\ -n_{is}-j_s+1)!} \cdot$$

$$\frac{(\ -n_{ik}-1)!}{(\ -j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(\ _{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ _{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-l)}\sum_{(j_i=l_i+n-D)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+\ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{\ \ }-\Bbbk_{\ })!}{(n_i-n-\Bbbk_1-\Bbbk_2)!\cdot(n+j_{ik}-j_{sa}^s-j_s-\ -j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-l+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ \ )}{(D+j_{\ }-n-l_i)!\cdot(n-j_i)!}$$

$D\geq n<n\wedge l_s>D-n+1\wedge$

$D+l_{ik}+s-n-l_i-j_{sa}^{ik}+2\ \ \ \ D-n\ \ \wedge$

$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$

$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+\ \ -j_{sa}^{ik}\leq j_i\ \ \ \wedge$

$l_{\ }-j_{sa}^{ik}+1\ \ l\wedge l_i+\ ^{ik}-s>l\ \wedge$

$D\ \ n<n\wedge I=\Bbbk\ \ 0\wedge$

$j_{sa}^{ik}<j_{sa}^{\ }\ \ 1\wedge j_{sa}^s=j_s\ -1\wedge$

$s:\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik}\ \ \Bbbk\ ,\ \}\wedge$

$s\ \ 3\wedge j\ \ s+\Bbbk\wedge$

$\Bbbk_z:z=2\ \ \Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=l}\sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j)!\cdot(n_{is}+j-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-\Bbbk_2)}{(j_i-j_{ik})!\cdot(n_{ik}-j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\quad)}$$

$$\frac{(D-\boldsymbol{l_i})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s=j_{sa}^{ik}-1$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\cdots,\quad j_{sa}^i\right\}\wedge$$

$$s>3\wedge\boldsymbol{s}=\quad+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\quad+\Bbbk_2\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\;\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s -)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(- j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j - \boldsymbol{l_s})! \cdot (- j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{(\;)}$$
$$\left(j_{sa}^{ik} + 1\right)$$

$$\sum_{j_{ik} = \boldsymbol{l_i}}^{l_s + j_{sa}^{ik} - D - s} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f_z S_{\Rightarrow j_s, j_{ik}, \ldots} = \sum_{\ldots = l}^{\ldots} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D, \ldots)}^{\ldots}$$

$$\sum_{\ldots = \boldsymbol{l_i} + \boldsymbol{n} + j_{\ldots} - D - s}^{j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = \ + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n + \Bbbk \, (n_{is} = n + \Bbbk \ + 1)}^{n \quad (n_i \ + 1)}$$

$$\sum_{n_{ik} = n_{is} + \ j_{ik} - \Bbbk_1 \ (\ \ j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \ - s - \ ^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \ \Bbbk_1 - \Bbbk_2)! \cdot (\ j_{ik} + j_s \ - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l \ j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > \ - n + 1 \wedge$

$2 \ l \leq D + \ + s - \ l_i - j_{sa}^{ik} + 1 \wedge$

$2 \ \ \leq j_{ik} - j_{sa}^{ik} \ 1 \wedge$

$_{ik} = j_i \ _{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \ \ < \ $

$l_{ik} \ j_{sa}^{ik} \ 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < \ I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{t} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$D > \boldsymbol{n} < n$

$$_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \left(\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}\ -j_s+1)}^{(n\ -j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\ -\Bbbk_2)}$$

$$\frac{n_{is}\ \ )!}{(j_s\ )! \cdot (n_i\ \ +1)!} \cdot$$

$$\frac{(n_{is}\ -1)!}{(j_{ik}-j_s\ )! \cdot (n_{is}\ \ _s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}\ -\Bbbk_2-1)!}{(\ _{ik}\ )! \cdot (\ _k+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ \ \ -j_s+1}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}\ \ -n_{\ \ }-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s\ \ \Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\ \ n_s-j_i-\Bbbk_2}\cdot$$

$$\frac{(\ \ \ \ \ )!}{(n_s\ \ j_i-\boldsymbol{n}\ \ \ -j_i)!}\cdot$$

$$\frac{\ \ \ -\boldsymbol{l}-1)!}{\ \ \ -j_s-\ \ 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ \ -j_{sa}^{ik}+1\right)!}{\ \ +\boldsymbol{l_{ik}}\ \ \ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i)! \cdot (j_i + j_s - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} -)!} \cdot$$

$$\frac{(D - l_i)}{(D + j_i - n - l_i)! \cdot (\ \ n - j_i)!}$$

$$\sum_{k=l} \sum_{(j_s = l_s + n -)}^{(l_s \ \ 1)}$$

$$\sum_{j_{ik} = l_s + \ \ l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\ \ - l + 1)}$$

$$\sum_{n_i = n + \Bbbk} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{ \ \ - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n} \quad ^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \quad \sum_{(j_i \quad \quad {}_{sa}^{ik})}$$

$$\sum \quad \sum^{(n_i - j_s + 1)}_{(n_{is} \quad \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+ \quad j_{ik}-\Bbbk_1} \quad \sum_{(\quad n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{\left(n_i + j_{ik} \quad j_{sa}^s - j_s - \quad + j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} \quad \Bbbk_1 - \Bbbk_2 \quad (\boldsymbol{n} \quad _{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!\right)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad \quad -\boldsymbol{n} + \quad \wedge$

$2 \leq \boldsymbol{l} \quad D + \boldsymbol{l_s} + s - \quad - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} \quad {}_{sa}^{ik} + 1 \wedge$

$j_{ik} \quad j_i \quad {}_{sa}^{ik} - s \wedge$

$j_{ik} + s - j \quad \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \quad {}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=\quad +s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_{is}=\boldsymbol{n}+\Bbbk-\quad}^{(n_i-\quad+1)} \sum$$

$$\sum_{n_{ik}=\quad -j_{ik}+1} \sum_{(\quad +1)}^{(ik+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n\quad -n_{is}-1)!}{(j_s\quad 2)! \cdot (n\quad -n_{is}-j_s+1)!} \cdot$$

$$\frac{(n\quad -n_{ik}-1)!}{(j_{ik}\quad j_s\quad)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i - \quad_k - 1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-\ldots-j_i)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l}-1)!}{(\ldots-j_s-\ldots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\ldots-j_{sa}^{ik}+1)!}{(\ldots+\boldsymbol{l_{ik}}-\ldots)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$D + l_s + s - n - l_i + 1 \leq l \leq D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_s + n - D)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad}$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad j_i)!} -$$

$$\sum_{}^{} \sum_{\qquad D-s+1}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{=j_s+j_{sa}^{ik}-1}^{(\quad)} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{\left(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\right)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{\left(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2\right)}^{(\quad)}$$

$$\frac{\left({}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\qquad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} \qquad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le \boldsymbol{l} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D \ge n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} \left(\sum_{=l}^{} \sum_{(j_s = l_s + n - D)}^{(D-s)} \right.$$

$$\sum_{= l_i + n + \cdots D - s}^{l_{ik} - \cdots} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{} $$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\;\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\;\sum_{(j_i=\ldots k+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{\ldots=\boldsymbol{n}+\Bbbk}^{\boldsymbol{n}}\;\sum_{(n_{is}=\ldots+1)}^{(n_i\ldots+1)}$$

$$\sum_{n_{ik}\ldots+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}\ldots}\;\sum_{(\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ldots)}$$

$$\frac{\ldots-n_{is}-1)!}{(\ldots-2)!\cdot(\ldots-n_{is}-j_s+1)!}\cdot$$

$$\frac{(\ldots-n_{ik}-1)!}{(\ldots-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(\ldots-n_s-\Bbbk_2-1)!}{(j_i-\ldots_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)+$$

$$\left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\;\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1}\;\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ \ -j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}\ \ \ -n_i\ \ -j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s\ \Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\ \ n_s-j_i-\Bbbk_2)}\cdot$$

$$\frac{(n_s\ \ -1)!}{(n_s\ \ j_i-\boldsymbol{n}\ \ -j_i)!}\cdot$$

$$\frac{(\ \ -\boldsymbol{l}-1)!}{(\ \ -j_s\ \ 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ \ -j_{sa}^{ik}+1\right)!}{(\ \ +\boldsymbol{l_{ik}}\ \ \ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}\ \ \boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - \ldots - \boldsymbol{l} + 1)! \cdot (\ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \ldots - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + \right)}$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - l_{ik} - s\right)!}$$

$$\frac{(D -)}{(D + j_i - - l_i)! \cdot (\boldsymbol{n} -)} -$$

$$\sum_{k=\boldsymbol{l}}^{(l_s - \boldsymbol{l} + 1)} \sum$$

$$\sum_{j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$ \wedge l_s > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le \boldsymbol{l} \le D + l_s + s - \boldsymbol{n} - l_i \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$\qquad D > \boldsymbol{n} < n$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$fz\, S_{\Rightarrow j_s, j_{ik}, j\ldots} \sum \sum_{l\ (j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\ldots +1)}$$

$$\sum_{= j_i + j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s}\ldots l)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\ \ +s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik})}$$

$$\sum_{-\boldsymbol{n}+\Bbbk\ (n_{is}=\boldsymbol{n}+\ \ +1)}^{n\qquad (n_i\ \ +1)}$$

$$\sum_{n_{ik}\ \ +\Bbbk_2-j_{ik}\ (\ \ -j_i+1)}^{n_{is}+j_s-j_{ik}-\ \ (n_{ik}+j_{ik}-j_i-\Bbbk_2\ )}$$

$$\frac{(\qquad -n_{is}-1)!}{(\ \ -2)!\cdot(\ \ -n_{is}-j_s+1)!}\cdot$$

$$\frac{(n\ \ -n_{ik}-1)!}{(\ \ -j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ \ _{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(l_s - l - \quad}{(l_s - j_s - \quad)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \quad l_i)! \cdot (\boldsymbol{n} - \quad}$$

$D \geq \boldsymbol{n} < n \land l_s > D - \boldsymbol{n} + 1 \land$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$

$j_{ik} = j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - \quad = \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land I = \quad > 0 \land$

$j_{\quad}^{ik} < j_{sa}^{i} - \quad j_{sa}^s = j_{s\quad} - 1 \land$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad, j_{sa}^i \right\} \land$

$s > 3 \land \quad = s + \Bbbk \land$

$\Bbbk_z: z = 2 \land \quad \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_{ik}}+s-l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\,}-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{\,}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\,)!}{(n_s-j_i-\boldsymbol{n}-\,-j_i)!}\cdot$$

$$\frac{(\,-\boldsymbol{l}-1)!}{(\,-j_s-\,1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\,-j_{sa}^{ik}+1\right)!}{\left(\,+\boldsymbol{l_{ik}}-\,\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\,)} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\,)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{\left(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}\right)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\,)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad_{sa}^{ik} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum \sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{(\quad + \boldsymbol{n} - D)}$$

$$\sum^{\boldsymbol{l_{ik}} \quad + 1}_{j_{ik} \quad + j_{sa}^{ik} - \boldsymbol{l} + 1} \sum^{(\quad)}_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum^{n}_{n_i = \boldsymbol{n} + \Bbbk} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum^{n_{is} + j_s - j_{ik} - \Bbbk_1}_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = \ \ + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{\boldsymbol{n} + \Bbbk \ (n_{is} = \boldsymbol{n} + \ \ +1)}^{n} \sum_{}^{(n_i \ +1)}$$

$$\sum_{n_{ik} = n_{is} + \ \ j_{ik} - \Bbbk_1 \ (\ \ \ \ j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \ \ - s - \ ^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \ \ \Bbbk_1 - \Bbbk_2)! \cdot (\ \ j_{ik} + j_s \ - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \ \ j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > \ \ - \boldsymbol{n} + 1 \wedge$

$D \ \ \boldsymbol{l_s} + s - \ \ - \boldsymbol{l_i} + 1 \ \ \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \ \ \ \ \leq j_{ik} - j_{sa}^{ik} \ \ 1 \wedge$

$j_{ik} = j_i \ \ j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \ \ \ \ < \ \wedge$

$\boldsymbol{l_{ik}} \ \ j_{sa}^{i \ } \ \ 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < \ \ I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}
$$

$$
\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ \ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n+\Bbbk_2-\ \ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}-\ _i-\Bbbk_2)}
$$

$$
\frac{(n_j-n\ -1)!}{(j_s-2)!\cdot(\ \ -n\ \ j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-\ n_{ik}-1)!}{(j_{ik}-j_s\ 1)!\cdot(n\ \ j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-\ -1)!\cdot(n\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot
$$

$$
\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot
$$

$$
\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -
$$

$$
\sum_{k=l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}
$$

$$
\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \quad)}$$

$$\frac{(D - \boldsymbol{l}_i}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad j_{sa}^i\} \wedge$

$\boldsymbol{s} > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l}_s+\boldsymbol{n}-D)}^{(\boldsymbol{l}_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s--\Bbbk_2)!}$$

$$\frac{(n_s-)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}--1)!}{(+1)\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}^{ik}_{sa} + 1\right)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}_{(j_s \quad - j_{sa}^{ik}+1)}$$

$$\sum_{\quad = j_s + j_{sa}^{ik} - 1} \sum^{(\quad)}_{\left(j_i = j_{ik} + s - j_{sa}^{ik}\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(\quad)}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(\quad_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$$

$$D \ge \boldsymbol{n} < n \land I = \Bbbk > 0 \land$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa}^{ik} - 1 \land$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \land$$

$$s > 3 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_Z S_{\Rightarrow j_s, j_{ik},} = \sum_{=l}^{1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D,}$$

$$\sum_{j_{ik} = \boldsymbol{n} - D} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{is + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i \,\cdots\, + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{\boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} \cdots + 1)}^{(n_i \cdots + 1)}$$

$$\sum_{n_{ik} = n_{is} + \cdots j_{ik} - \Bbbk_1}^{(\ )} {}_{(\cdots\, j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \cdots j_s - s \cdots {}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \cdots \Bbbk_1 - \Bbbk_2)! \cdot (\cdots + j_{ik} + j_{\cdots} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l \cdots j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > \cdots - \boldsymbol{n} + 1 \wedge$

$2 \cdots \boldsymbol{l} \leq D + \cdots + s - \boldsymbol{n} \cdots \boldsymbol{l_i} \wedge$

$2 \leq \cdots \leq j_{ik} - j_{sa}^{ik} \cdots 1 \wedge$

$j_{ik} = j_i \cdots j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \cdots j_i < \boldsymbol{n} \cdots$

$\boldsymbol{l_i} \cdots j_{sa}^{\cdots} \cdots 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \cdots I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} \cdots j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_i+l_{ik}-l_i}^{} \sum_{(j_i=l_i+n-\ )}^{(l_s+s-l)}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n+\Bbbk_2-\ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}- i-\Bbbk_2)}
$$

$$
\frac{(n_i - n\ - 1)!}{(j_s\ -2)!\cdot(\ -n\ j_s+1)!}\cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s\ - 1)!\cdot(n\ -j_s - n_{ik} - j_{ik})!}\cdot
$$

$$
\frac{(n_{ik} - \ - \Bbbk_2 - 1)!}{(j_i - \ -1)!\cdot(n\ + j_{ik} - n_s - j_i - \Bbbk_2)!}\cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - n - 1)!\cdot(n - j_i)!}\cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)!\cdot(j_s - 2)!}\cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)!\cdot(j_{ik} - j_s - j_{sa}^{ik} + 1)!}\cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - n - l_i)!\cdot(n - j_i)!} +
$$

$$
\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}
$$

$$
\sum_{j_{ik}=j_i+l_{ik}-l_i}^{} \sum_{(j_i=l_s+s-l+1)}^{(l_i-l+1)}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - l_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - l_s)! \cdot (l_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + \ldots\right)} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\ldots - j_i)!}$$

$$\sum_{\ldots=l} \left(\sum_{j_s = j_{ik} - j_{sa}^{ik}}\right)$$

$$\sum_{\ldots = j_i + l_{ik} - l_i} \left(\sum_{\ldots}^{(l_s + s - l)}\right)_{(\ldots + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{\ldots + j_{\ldots} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \ldots_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D > \ldots \boldsymbol{n} \wedge l_s > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le \boldsymbol{l} \le D \ldots l_s + s - \boldsymbol{n} - l_i \wedge$$

$$2 \ldots j_s \ldots j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(k-j_{sa}^{ik}+1)} \sum_{(j_s = \cdots + \boldsymbol{n} - D)}$$

$$\sum_{\cdots + j_{sa}^{ik} - D - \cdots}^{l_s + \cdots} \sum_{\cdots = j_{ik} + l_i - l_{ik})}^{(\cdots)}$$

$$\sum_{n_i = \cdots \Bbbk}^n \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\cdots + 1)}$$

$$\sum_{n_{is} = \cdots - j_{ik} - \Bbbk_1}^{\cdots} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_s+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_s+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\quad)}$$

$$\frac{(D-\boldsymbol{l_i}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\quad(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s=j_{sa}^{ik}-$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\cdots,\quad,j_{sa}^i\right\}\wedge$$

$$s>3\wedge\boldsymbol{s}=\quad+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\quad+\Bbbk_2\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \quad - \Bbbk_2)!}$$

$$\frac{(n_s - \quad)}{(n_s + j_i \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \quad _i)!} \cdot$$

$$\frac{(l_s \quad -1)!}{(\quad -j_s \quad l + 1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - l_s \quad j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\quad - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{(j_s = l_i + \boldsymbol{n} - D - s)}^{(l_s - l)} \cdot$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1}^{ik - l - s + 1} \sum_{(j_i = j_{ik} - l_i - l_{ik})}^{(\ \ )} \cdot$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{- j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\quad)} \sum_{(j_i=j_{ik}+l_i-l_i)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\quad}^{\quad} \sum_{\quad_s=n_{ik}+j_{ik}-j_i}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-\quad-j_{sa}^{ik}-\quad-\Bbbk_2\right)!}{(n_i-n-\quad-\Bbbk_2)! \cdot (n-j_{ik}+j_{sa}\quad s-j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s\quad+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \ge n < n \land l_s > D - n \quad \land$

$D + l_s + s - n - l_i + 1 \le l \le \quad - n + 1 \land$

$2 \le j \quad j_{ik} - j_{sa}^{ik} \quad \land$

$j_{ik} = j_i + j_{sa}^{ik} \quad \land$

$j_{ik} \quad - j_{sa}^{ik} \le j_i \le \quad \land$

$\quad_{ik} - j_{sa}^{ik} \quad 1 > l_s \land l_i \quad_{sa}^{ik} - s = l_{ik} \land$

$D \ge \quad < n \land \quad \land$

$j_{sa}^{i} < j_{sa}^{i} \quad \land j_{sa}^s = j_{sa}^{ik} - 1 \land$

$\quad \{j_{sa}^s, \Bbbk \quad_a, \cdots, \Bbbk_2, j_{sa}^i\} \land$

$s > 3 \land s = s + \Bbbk \land$

$\Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-l+1)} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2\right)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - \ldots)}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \ldots \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \ldots + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s = l_s + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_i}^{} \sum_{(j_i = l_{ik} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(l_s + s - l)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_s - 1)!}{(j_s + l_{ik} - j_{ik} - l_s) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(l - l_i)!}{(\ldots - \boldsymbol{n} - \ldots) \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=l}^{(\ldots +1)} \sum_{(j_s = l_s + \boldsymbol{n} - D)}$$

$$\sum_{=j_i + l_{ik} - l_i} \sum_{(j_i = l_s + s - l + 1)}^{(l_{ik} + s - l - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \; -$$

$$\sum_{k=l}^{(\;)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_i+l_{i} - l_i}^{(l_s + l)} \sum_{(j_i = l_{ik} - j_{sa}^{ik})}$$

$$\sum \sum^{(n_i - j_s + 1)}_{\mathbb{k}\;(n_i + \mathbb{k} - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}}^{} \sum_{j_{ik} - \mathbb{k}_1\;(\;n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i + j_{ik} \; j_{sa}^s - j_s - \; j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \; \mathbb{k}_1 - \;) \cdot (n + \; _{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \; \; D - n + \; \wedge$

$D + l_s \; s - n - l_i + \; \leq l \leq D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} \; j_{sa}^{ik} + 1$

$j_{ik} \; \; j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \; \leq j_i \leq n \wedge$

$l_{\;} \; + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \} \wedge$

$D > \boldsymbol{n} < n$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}
$$

$$
\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik})}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)}
$$

$$
\sum_{n_{is} = \boldsymbol{n} + \Bbbk - j} \cdots^{(n_i - \ \ + 1)}
$$

$$
\sum \cdots \sum^{\ \ + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\sum_{n_{ik} = \ \ - j_{ik} + 1} \cdots^{(\ \ \ - \ _i + 1)}
$$

$$
\frac{(n \ \ n_{is} - 1)!}{(j_s \ \ 2)! \cdot (n \ \ n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n \ \ - n_{ik} - 1)!}{(j_{ik} \ \ \ \ - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}
$$

$$
\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j\quad s-j_{sa}^{ik}\right)}\cdot$$

$$\frac{(l_s-l-\quad)}{(l_s-j_s-\quad)!\cdot(\quad-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\quad l_i)!\cdot(\boldsymbol{n}-j}$$

$D\geq\boldsymbol{n}<n\wedge l_s>D-\boldsymbol{n}+1\wedge$

$2\leq l\leq D+l_s+s-\boldsymbol{n}-l_i\wedge$

$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$

$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-\quad=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\quad>0\wedge$

$j^{ik}<j_{sa}^i-\quad j_{sa}^s=j_s\quad-1\wedge$

$\boldsymbol{s}:\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\cdots,\quad j_{sa}^i\}\wedge$

$s>3\wedge\quad=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\quad\Bbbk_1+\quad\Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_i - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s - j_i - \boldsymbol{n} - \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - \boldsymbol{l} - 1)!}{(\ldots - j_s - \Bbbk + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \ldots - j_{sa}^{ik} + 1\right)!}{(\ldots + \boldsymbol{l_{ik}} \ldots)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + \cdots)}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \cdots 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \cdots (j_{ik} - j_s \cdots + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\cdots \boldsymbol{n} - \boldsymbol{l_i} \cdots (\boldsymbol{n} - j_i)!}$$

$$\sum \sum_{\cdots \boldsymbol{l} \ (j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{\cdots + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(\ )} \\ \sum_{\cdots ik = \boldsymbol{l_{ik}} + \boldsymbol{n} - D} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \,\wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s} : \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \,\wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_i = \sum_{k=1}^{(l_s-l+1)} \sum_{(l_s+\boldsymbol{n}-D)}$$

$$\sum_{k=l_{ik}+\boldsymbol{n}}^{-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = \quad + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{=n+\Bbbk \ (n_{is} = \quad +1)}^{n} \quad ^{(n_i \quad +1)}$$

$$\sum_{n_{ik} = n_{is} + \quad j_{ik} - \Bbbk_1 \ (\quad - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s \quad j_s - s - \quad_{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j \quad - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l \quad j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \quad -n + 1 \wedge$

$2 \quad l \leq D + \quad + s - \quad l_i \wedge$

$2 \leq \quad_s \leq j_{ik} - j_{sa}^{i \quad} \quad 1 \wedge$

$j_{ik} = j \quad j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{i \quad} \quad j_i \leq n$

$l_{i \quad} \quad j_{sa} \quad 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \quad I = \Bbbk > 0 \wedge$

$j_{sa}^{i \quad} \quad j_{sa} - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s \colon \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l}\ )}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ \ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{(n_{ik}+j_{ik}-\ j_i-\Bbbk_2)}$$

$$\frac{(n_j - n_{\ } - 1)!}{(j_{\ } - 2)! \cdot (\ n_{\ } - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s\ \ 1)! \cdot (n_{\ } + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - \ - \Bbbk_2 - 1)!}{(j_i - j_\ \ - 1)! \cdot (n_{\ } + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-\cdots)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\cdots-1)!}{(\cdots-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\cdots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\cdots-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\ \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\substack{\\ j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\sum_{k=\;}^{(l_s-l+\;)}\sum_{=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}}$$

$$\sum_{j_{ik}=\;+j_{sa}^{ik}-1}^{(\;)}\sum_{(j_i=j_{ik}+l_i-l_{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\;)}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(\;+j\;+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}\;\;_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D\;\;\boldsymbol{n}\;\;\wedge l\neq\;_il\wedge l_s\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j\;\;-j_{sa}^{ik}+1\wedge$

$j_{ik}-j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$l_{ik}-j_{sa}^{ik}+1>l_s\wedge l_i+j_{sa}^{ik}-s=l_{ik}\wedge$

$l_{ik}\leq D+j_{sa}^{ik}-\boldsymbol{n}\wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
\begin{aligned}
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = &\sum_{k=l}^{(\cdots_{ik} - j_{sa}^{ik} + 1)} \sum_{(\cdots = 2)}^{} \\
&\sum_{j_{ik}=j_l}^{(\cdots -l)} \sum_{\cdots_{ik}-s}^{(j_i = s+1)} \\
&\sum_{n_l \cdots + \Bbbk}^{n \cdots_{\cdots+1}} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{} \\
&\sum_{n_{ik}= \cdots \Bbbk_2 - j_{ik}+1}^{n_{is} \cdots - j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \\
\end{aligned}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1 \right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-l+1)} \sum_{(j_i=l_s+s-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ldots)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-\ldots-1)!}{(j_s-2)!\cdot(\ldots-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{\ldots}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\ldots-\Bbbk_2-1)!}{(j_i-\ldots-1)!\cdot(n_{\ldots}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=l}^{(\quad)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-l)} \sum_{(j_i=s+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - l_i \quad)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l \quad D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = \quad + j_{sa}^{ik} - s \wedge$

$j \quad + s - j_{sa}^{ik} \quad \leq \boldsymbol{n}) \wedge$

$(D \quad \boldsymbol{n} < n \wedge l \neq \quad \wedge l_s \leq D \quad \boldsymbol{n} + 1 \wedge$

$\quad \leq j_s \leq \quad - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = \quad + j_{sa}^{ik} \quad$

$j_{ik} + s - \quad \leq j_i \leq \boldsymbol{n} \wedge$

$\quad - s + 1 \quad l_s \wedge$

$l_i \leq D + s - \boldsymbol{n})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=j_i+j_{sa}^{ik}-}^{} \sum_{(j_i=s+1)}^{(l_s+s-}
$$

$$
\sum_{n_i=}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s}^{(n_i-\quad 1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}\quad -j_{ik}+1}^{\quad -\Bbbk_1} \sum_{(n_s=\quad j_i+1)}^{\quad +j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i \quad n_{is}-1)!}{(j_s \quad)! \cdot (n_i-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n \quad -n_{ik}-1)!}{(j_{ik} \quad)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i- \quad _k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot
$$

$$
\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s-\boldsymbol{l}+1)}
$$

$$D > \boldsymbol{n} < n$$

$$
\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_{ik}+s-l-j_{sa}^{ik}+1)} \sum_{(j_i=l_s+s-l+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}
$$

$$
\frac{(n_i\ -1)}{(j_s-2)\ \cdot (n_i-n_{is}\ -1)!} \cdot
$$

$$
\frac{(n_{is}-n_{ik}\ -1)!}{(j_{ik}-j_s\ )\cdot(n_{is}+j_s\ -n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}\ -\Bbbk_2-1)}{(j_i-j_{ik}\ )!\cdot(n_{ik}\ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s\ -1)!}{(n_s\ +j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot
$$

$$
\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(\ l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot
$$

$$
\left.\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}\right) +
$$

$$
\left(\sum_{k=l} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s+2)}^{(l_s+s-l)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-1)!}{(-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j-l_{ik}-s)!}{(j_{ik}+-j_i-l)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}\sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1}\sum_{(j_i=l_s+s-l+1)}^{(l_{ik}+s-l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \qquad} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} \qquad 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \qquad (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} \qquad 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \qquad (j_{ik} - j_s \qquad 1)!} \cdot$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}} \qquad s)!}{(j_{ik} + \boldsymbol{l_i} - \qquad (j_i + \qquad - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i \qquad - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s - \boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(l_i-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \,)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (\,- j_i)!} \right)$$

$$\sum \qquad \sum_{(j_s = j_{ik} - j_{sa}^{ik} + \,)}$$

$$\sum_{\,= j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(l_s + s - l)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(\; + \; + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)! \cdot (n + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \; \leq \; n < \quad \wedge \, l \neq \; _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq \quad - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{(\cdots\,ik - j_{sa}^{ik}+1)} \sum_{(\cdots=2)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+\cdots}^{j_{sa}^{ik}-l} \sum_{(\cdots=j_{ik}+s-j_{sa}^{ik})}^{(\cdots)}
$$

$$
\sum_{n_i \cdots}^{n} \sum_{\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\cdots+1)}
$$

$$
\sum_{n_{is}\cdots - j_{ik}-\Bbbk_1}^{\cdots - j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+}^{\ +j_{ik}\ j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\ -n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-\ -1)!\cdot(n\ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{()}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)}{(\boldsymbol{l}_s - j_s -)! \cdot (- 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} -)}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + $

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_s - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq < n \wedge \boldsymbol{l} \neq \wedge \boldsymbol{l}_i \leq D + s - \wedge$

$1 \leq j_s \leq + 1 \wedge$

$j_{ik} = + j_{sa}^{ik} - s \wedge$

$ + s - \leq j_i \leq \boldsymbol{n}) $

$(D \geq < n \wedge \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq - j_{sa}^{ik} + 1 \wedge$

$ = j_{} + j_{sa}^{} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n})\Big) \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \left(\sum_{k=l}^{(k - j_{sa}^{ik} + 1)} \sum_{\quad=2)}^{} \right.
$$

$$
\sum_{\quad ia+1}^{l_s \quad ik - l} \sum_{(\quad j_{ik}+s-j_{sa}^{ik})}^{(\quad)}
$$

$$
\sum_{n_i = \quad}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{+1)}
$$

$$
\sum_{+\Bbbk_2 - j_{ik} + 1}^{n_{is}+\quad j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\quad+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\quad)}^{(n_{ik}+j_{ik}\quad_i-\Bbbk_2)}$$

$$\frac{(n_j - n_{\quad} - 1)!}{(j_{\quad} - 2)! \cdot (\quad - n_{\quad} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{\quad} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i - \quad - 1)! \cdot (n_{\quad} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_ -)!}{(n_s - j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- \boldsymbol{l} - 1)!}{(- j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - - j_{sa}^{ik} + 1\right)!}{(_i + \boldsymbol{l_{ik}} -)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} - \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - \ldots - \boldsymbol{l} + 1)! \cdot (\ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \ldots - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\Bigg) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\,)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\,)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\,)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_z} S \Rightarrow j_s, j_{ik}, j_i = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + \ldots)} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\ldots - j_i)!}$$

$$\sum_{k=l}^{\ldots - l + 1}$$

$$\sum_{j_{ik} = \ldots + j_{sa}^{ik} - 1}^{(j_i - \ldots - s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{(\ldots + \ldots + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \ldots_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\Big(\ldots \geq \boldsymbol{n} \ldots n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq \ldots - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \boldsymbol{n}\Big) \vee$$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n})) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s = 2)} \right.
$$

$$
\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l}_{ik} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.
$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} +}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \cdots (j_{ik} - j_s + 1)!}$$

$$\frac{(D - \boldsymbol{l})!}{\cdots \boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!)}$$

$$\left(\sum_{k = \boldsymbol{l}} \sum_{(j_s = 2)}^{-\boldsymbol{l} + 1} \right.$$

$$\sum^{\boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)}$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{j_s=2}$$

$$\sum_{=j_s + j_{sa}^{ik}-} \sum_{=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i}^{n} \Bbbk \sum_{(n_{is}=n+\Bbbk-j_s+1)}$$

$$\sum_{=n_{is}+j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(- n - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < \quad l \neq \,_i l \wedge \quad \leq D - n + 1 \wedge$$

$$2 \leq \quad D + l_s + \quad n - l_i \wedge$$

$$1 \leq j_s \leq j_i \quad j_{sa}^{ik} + 1 \wedge$$

$$\quad j \quad {}_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(\ldots=2)}^{}
$$

$$
\sum_{j_{ik}=j_i+j_{sa}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{}
$$

$$
\sum_{n_i=\ldots+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{}
$$

$$
\sum_{n_{is}=\ldots-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\sum_{n_{ik}=\ldots \Bbbk_2-j_{ik}+1}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_i-l+1)}\sum_{(j_i=l_s+s-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=n-j_i+\ldots)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-\ldots-1)!}{(j_s\ldots2)!\cdot(\ldots\ldots j_s+1)!}\cdot$$

$$\frac{(n_{is}\ldots n_{ik}-1)!}{(j_{ik}-j_s\ldots1)!\cdot(n_{\ldots}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}\ldots-\Bbbk_2-1)!}{(j_i-\ldots-1)!\cdot(n\ldots+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=l}^{(\ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=l_i+n-D)}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \ )}$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s \quad - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{su} \quad j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^s, \Bbbk_1, j_{sa} \quad , \Bbbk_2, j_{su} \quad \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\;-\Bbbk_2)!}$$

$$\frac{(n_s-\;)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\;\;_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\;-1)!}{(\;-j_s-\boldsymbol{l}+1)\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\;-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik})\Big)$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \mathbb{k} > $

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \quad j_{sa}^{ik} - 1 $

$\boldsymbol{s}: \{j_{sa}^{s}, \quad j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{s}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \quad \mathbb{k} \wedge$

$\mathbb{k}_2 = \quad \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1-j_i)!}\cdot$$

$$\frac{(\ -\boldsymbol{l}-1)!}{(\ -j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1)!}{(\ +\boldsymbol{l_{ik}}-\ )!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{ } \sum_{(j_s=2)}^{(l_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{ } \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} -)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1) \quad (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s -)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s \quad (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D -)!}{\boldsymbol{n} - \boldsymbol{l}_i) \quad (\boldsymbol{n} - j_i)!}$$

$$\sum_{s=\boldsymbol{l}}^{\ } \sum_{(j_s=2)}^{(\ _{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\ _i + j_{sa}^{ik} - s - 1} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s + s - \boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ )!}$$

$$\frac{(D - l_i)}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\quad l+1)} \sum_{(j_s=\ )}$$

$$\sum_{j_{ik}=\ n-D}^{\ -1} \sum_{(j_i=l_s+s-l+1)}^{(\ -l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{\ -j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_i \quad l \quad k + 2)}^{(l_i \quad 1)}$$

$$\sum_{n + \Bbbk (n)}^{(n_i - j_s + 1)} \sum_{(n \quad n + \Bbbk - j_s + 1)}$$

$$\sum_{n_{is} \quad j_{ik} - \Bbbk_1}^{n + \Bbbk (n)} \sum_{(n_{ik} \quad j_i - \Bbbk_2)}$$

$$\sum_{n \quad n + \Bbbk_2 - j_{ik}} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{{}_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{- j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(\boldsymbol{l_s} - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\;)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-\;)}^{(\boldsymbol{l}_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\;\;\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\;)} \sum_{\;\;=n_{ik}+j_{ik}-j_i-}^{(\;)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s \;\;\;\; - \;\;\;\;^{ik} - \; - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \;)! \cdot (\boldsymbol{n} \;\; _{ik} + j_{sa} \;\;\;\; - j_{sa}^{ik})!} \cdot$$

$$\frac{(\;\;_s - \boldsymbol{l} - 1)!}{(\;\;\; - j_s - \;\; + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D \;\; j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \;_i\boldsymbol{l} \land \boldsymbol{l}_s \;\; D - \boldsymbol{n} + 1 \land$$

$$D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} \;\;\; \boldsymbol{l}_i - j_{sa}^{ik} + 2 \leq \;\; < D - \boldsymbol{n} \;\; 1 \land$$

$$1 \leq j_s \leq j_{i\;} \;\; j_{sa}^{ik} + \;$$

$$j_{ik} = j_i + j_{sa}^{ik} - \;$$

$$j_{ik} + \;\;\; j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \;\;$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + \;\; > \boldsymbol{l}_s \land \boldsymbol{l}_i \;\; j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \land$$

$$D + \;\;\; \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \lor$$

$$(D \geq \boldsymbol{n} < \;\;\; \boldsymbol{l} \neq \;_i\boldsymbol{l} \land \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \land$$

$$D \;\;\;\; s - \boldsymbol{n} - \boldsymbol{l}_i - j_{sa}^{ik} + 2 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \land$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \boldsymbol{n} < l_i \le D + l_{ik} + s - \boldsymbol{n} - j_{sa}^{ik}\Big)\Big) \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_i}^{(l+1)} = \sum_{k=l}^{l} \sum_{(j_s=2)}^{(l+1)}
$$

$$
\sum_{j_{ik}=l_{ik}+\boldsymbol{n}-D}^{l_{ik}} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-l+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j=j_i + j_{sa}}^{+s-l)}$$

$$\sum_{\mathbb{k} (n}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{-j_{ik} - \mathbb{k}_1} \sum_{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s + j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - n_{ik} - \mathbb{k}_1 - \mathbb{k}_2)! \cdot (n + n_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq l \wedge l_s \leq n - 1 \wedge$

$2 \leq l_i \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1$

$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

480 $\qquad$ $D > \boldsymbol{n} < n$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D}^{l_s+j_{sa}^{ik}-l} \sum_{}^{} {}_{(\cdots j_{ik} \cdots j_{sa}^{ik})}
$$

$$
\sum_{\cdots = \boldsymbol{n}+\Bbbk}^{} \sum_{}^{(n_i - j_s + \cdots)} {}_{(\cdots \boldsymbol{n}+\Bbbk-j_s+1)}
$$

$$
\sum_{n_{is} \cdots j_{ik}-\Bbbk_1}^{} \sum_{}^{(\cdots j_i - \Bbbk_2)} {}_{(\cdots)}
$$

$$
\sum_{\cdots=\boldsymbol{n}+\Bbbk_2-\cdots}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \cdots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(\cdots_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\cdots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}
$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \quad)}$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s \quad - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa} \quad = j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^s, \Bbbk_1, j_{sa} \quad , \Bbbk_2, j_{s} \quad \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \quad$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\ \ -\Bbbk_2)!}$$

$$\frac{(n_s-\ \ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\ \ j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ \ -1)!}{(\ \ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ \ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ \ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} \;{} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \;{} + \boldsymbol{l_{ik}} + s - \boldsymbol{n}\;{} j_{sa}^{ik} \big) \Big)$

$D \;{} \boldsymbol{n} < n \;{} = \Bbbk > {}$

$j_{sa}^{ik} \;{} j_{sa}^{i} - 1 \wedge j_{sa}\;{} j_{sa}^{ik} - {}$

$\boldsymbol{s}: \{ j_{sa}^{s}, \;{} j_{sa}^{ik}, \cdots, \Bbbk_2, j_{s}\;{} \wedge$

$s > 3 \wedge \boldsymbol{s} = \;{} \Bbbk \wedge$

$\Bbbk \;{} = \;{} \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s- \ldots)!}{(n_s \ldots j_i-\boldsymbol{n} \ldots -j_i)!} \cdot$$

$$\frac{(\ldots -\boldsymbol{l}-1)!}{(\ldots -j_s- \ldots 1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l}_{ik}- \ldots -j_{sa}^{ik}+1\right)!}{(\ldots +\boldsymbol{l}_{ik}- \ldots)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s - \boldsymbol{l} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l})!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(\boldsymbol{l_s}=\boldsymbol{l})}^{} \sum_{(j_s=2)}^{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_i}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ldots)!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (\ldots n - j_i)!}$$

$$\sum_{k=l}^{\ldots} \sum_{(j_s=2)}^{(j_{ik} \ldots_{sa}^{ik}+1)}$$

$$\sum_{\ldots - l_i + n + j_{sa} \ldots \ldots - s}^{(\ldots - l + 1)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_{ik} - l + 1} \sum_{}^{(l_{ik} - k + 1)}$$

$$\sum_{n+\Bbbk}^{(n_i - j_s + 1)} \sum_{(n+\Bbbk - j_s + 1)}$$

$$\sum_{n_{is} + j_{ik} - \Bbbk_1}^{(n_{ik} - j_i - \Bbbk_2)} \sum_{}$$

$$\sum_{n+\Bbbk_2 - j_{ik}}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \;)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\;_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\; - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-i)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}- \quad :ik-\Bbbk-\Bbbk_2\right)!}{(n_i-n-\Bbbk_1- \quad)!\cdot(n \quad _k+j_{sa} \quad -j_{sa}^{ik})!}\cdot$$

$$\frac{\quad -l-1)!}{\quad -j_s-\quad 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D \quad j_i-n-l_i)!\cdot(n-j_i)!}$$

$$D\geq n < n \wedge l \neq \ _i l \wedge l_s \leq \quad -n+1 \wedge$$

$$2 \leq l \leq D+l_s+ \quad s-n-l_i \wedge$$

$$1 \leq j_s \quad \geq j_i \quad -j_{sa}^{ik}+$$

$$j_{ik}=j_i+j_{sa}^{ik}-$$

$$j_{ik}+ \quad -j_{sa}^{ik} \leq j_i \leq n$$

$$l_{ik}-j_{sa}^{ik}+ \quad > l_s \wedge l_i+ \quad _{sa}^{ik}-s=l_{ik} \wedge$$

$$D+ \quad n < l_i \quad +l_s+s-n-1 \wedge$$

$$D \geq n < n \quad l = \Bbbk > 0 \wedge$$

$$\quad < \quad _i \quad 1 \wedge j_{sa}^{s}=j_{sa}^{ik}-1 \wedge$$

$$s:\left\{j_{sa}^{s},\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^{i}\right\} \wedge$$

$$s>3 \wedge s=s+\Bbbk \wedge$$

$$\Bbbk_z:z=2 \wedge \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{..}^{..})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ ..1}^{n_{is}+j_s-j_{ik}..} \sum_{(n_s=\boldsymbol{n}-j_i+..)}^{..+j_{ik}..-\Bbbk_2)}$$

$$\frac{(n_i-n_{..}-1)!}{(j_s\ .2)!\cdot(..-n_{..}..j_s+1)!}\cdot$$

$$\frac{(n_{is}\ ..n_{ik}-1)!}{(j_{ik}-j_s\ ..1)!\cdot(n_{is}\ ..j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\ ..-\Bbbk_2-1)!}{(j_i-j_{..}-1)!\cdot(n_{..}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s--\Bbbk_2)!}$$

$$\frac{(n_s-)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}--1)!}{(-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{()}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{()}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \,_i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - l_i + 1 \leq l \leq \,_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad {}_i)!} -$$

$$\sum \sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{\quad (\quad -s+1)}$$

$$\sum_{=j_s + j_{sa}^{ik} - 1} \sum^{(\quad)}_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum^{n}_{n_i = \boldsymbol{n} + \Bbbk} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(\quad)}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\quad_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$$

$$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$$

$$2 \le \boldsymbol{l} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\big) \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \big\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \big\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(l_i + \boldsymbol{n} - D - s)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\boldsymbol{l}_i)!}{(\boldsymbol{n} - \boldsymbol{n})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum \qquad \sum_{(j_s = \boldsymbol{l}_i + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{ik = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)} \right.$$

$$\sum_{j_{ik}=\boldsymbol{l}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{} ^{(\boldsymbol{l_{ik}}+s - j_{sa}^{ik}+1)}$$

$$\sum_{} \sum_{}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}+\mathbb{k}_2-j_{ik}} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{n_{is}+j_{ik}-\mathbb{k}_1 \ (n_{ik}-j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 1)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(n_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(n_s - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_i+n-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=l_{ik}+s-l-j_{sa}^{ik}+2)}^{(l_i-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n-\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_s+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-n_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{is} + j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_s + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{} - \Bbbk_2} \cdot$$

$$\frac{(n_{} 1)!}{(n_s - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{ - \boldsymbol{l} - 1)!}{ - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - - j_{sa}^{ik} + 1)!}{_i + \boldsymbol{l_{ik}})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{l} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} \ \ )}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l} \ \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \ \ \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ \ \wedge$

$\Bbbk_ \ : z = 2 \wedge \ \ = \Bbbk_1 + \ \ \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(l_s + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l} - 1)}{(l_s - l + 1) \cdots 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{ik})}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(l_s - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(l_{ik} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)} \sum_{(j_i = l_s + s - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{+j_{sa}^{ik} - s}^{(l_s\ )} \sum_{(j_i = \ +n + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i\ +\Bbbk}^{(\ -j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j\ \ _{k} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + \ \ + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{-n - \Bbbk_1\ \ \Bbbk_2)! \cdot (n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \ge n < \ \ \wedge l \ne \ _i l \wedge \ \le D - n + 1 \wedge$$

$$D + \ \ + s - n \ \ \ 1 \le l \le \ _i l - 1 \wedge$$

$$1 \le j_s \le j\ \ - j_{sa}^{ik} + 1 \wedge$$

$$\ \ - j\ \ _{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \le D + l_s + s - n - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \sum_{j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(l_{ik}+s-\ \ )} \sum_{n_i}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\ +1)} \sum_{n_{is}= \ -j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{n_{ik}=\Bbbk_2-j_{ik}+1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$\sum_{k=l}^{(\quad)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-l)} \sum_{(j_i=l_{ik}+n+s-D-j_{ik})}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n_{ik}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\quad)} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s - \quad - j_{sa}^{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i-n-\Bbbk_1-\quad)!\cdot(n \quad _{ik}+j_{sa} \quad - j_{sa}^{ik})!}\cdot$$

$$\frac{\quad l_s-l-1)!}{\quad -j_s-\quad+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D \quad j_i-n-l_i)!\cdot(n-j_i)!}$$

$D \geq n < n \wedge l \neq \quad _il \wedge l_s \leq \quad -n+1 \wedge$

$2 \leq l \leq D+l_s+s-n-l_i \wedge$

$1 \leq j_s \quad j_{ik} - j_{sa}^{ik} + \quad \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$l_{ik} - j_{sa}^{ik} + \quad > l_s \wedge l_i + \quad _{sa}^{ik} - s = l_{ik} \wedge$

$D + \quad n < l_i \quad l_s + s - n - 1 \wedge$

$D \geq n < \quad J = \Bbbk > 0 \wedge$

$\quad < j^i \quad 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

504 $D > \boldsymbol{n} < n$

$$_{fz}S_{\Rightarrow j_s , j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-\ ik)}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{\ \ }\ \ 1}^{n_{is}+j_s-j_{ik}-\Bbbk_1\ \ +j_{ik}\ \ -\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1\ )}$$

$$\frac{(\ \ -n_{is}\ \ 1)!}{(j_{\ \ } \ \ 2)! \cdot (n_i\ \ \ \ j_s+1)!} \cdot$$

$$\frac{(n_{is}\ \ \ _{ik}-1)!}{(j_{ik}-j_s\ \ 1)! \cdot (n_{is}\ \ j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\ \ -\Bbbk_2-1)!}{(j_i-j_{\ \ }-1)! \cdot (\ \ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s--\Bbbk_2)!}$$

$$\frac{(n_s-}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz} S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\boldsymbol{l_s} - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s \quad {}^{ik}_{sa} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - l_i)! \cdot (\quad j_i)!} -$$

$$\sum_{(\quad)}^{(\quad)}$$

$$\sum_{=l_{ik} + \boldsymbol{n} - D}^{l_s \quad {}^{ik} - l} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{(\quad)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

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$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \;\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \;\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \;\wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \;\wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \;\wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \;\wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \;\wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum \sum_{(=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_s)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l+1} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i=+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n+\Bbbk \ (n_{is}=}^{n} \sum_{+1)}^{(n_i+1)}$$

$$\sum_{n_{ik}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-} \sum_{j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{-n_{is}-1)!}{(-2)! \cdot (-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n-n_{ik}-1)!}{(-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)}{(\boldsymbol{l}_s - j_s -)! \cdot (-2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j)}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq + \boldsymbol{l}_s + s - \boldsymbol{n} - \wedge$

$D \boldsymbol{n} < n \wedge = \Bbbk > 0$

$j_{sa}^{ik} j_{sa}^i - 1 \wedge j_{sa}^s j_{sa}^{ik} - 1$

$s: \{j_{sa}^s, j_{ca}^{ik}, \cdots, \Bbbk_2, j_{s}^{} \wedge$

$s > 3 \wedge \boldsymbol{s} = \Bbbk \wedge$

$\Bbbk_2 = \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(\boldsymbol{l}_s - l + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\dots-j_i-\dots)!}{(n_s-\dots j_i-\boldsymbol{n}-\dots-j_i)!}\cdot$$

$$\frac{(\dots-\boldsymbol{l}-1)!}{(\dots-j_s-\dots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\dots-j_{sa}^{ik}+1)!}{(\dots+\boldsymbol{l}_{ik}-\dots)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l}_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} \quad j_{ik} - s\right)!} \cdot$$

$$\frac{(\quad \boldsymbol{l_i})!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_i})! \quad - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_s^{ik}$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa} \quad j_{sa}^{ik} - 1 \wedge$

$s \quad (j_{sa}^s, \Bbbk_1, j_{sa} \quad, \Bbbk_2, j_{sa} \quad \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \Bbbk \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}^{}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!}$$

$$\frac{(n_s -}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(l_s - j_s - l + 1)!\,(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (l_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_i - \boldsymbol{l_{ik}} - s)!}{(j_{ik} - j_i - l)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} - 1 \wedge$

$1 < j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} < j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 < \boldsymbol{l_i} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D - j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{} \sum_{(j_i=s+\cdots)}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\cdots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\cdots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\cdots)}^{(n_{ik}+j_{ik}-\cdots_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{\cdots} - 1)!}{(j_s - 2)! \cdot (n_{\cdots} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{\cdots} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - \cdots - \Bbbk_2 - 1)!}{(j_i - \cdots - 1)! \cdot (n_{\cdots} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{} \sum_{(j_i=l_s+s-l+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(l_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j2^s \Rightarrow j_s, j_{ik}, j_i = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\cdots - \boldsymbol{l}+1)} \sum_{(j_s = \cdots)}$$

$$\sum_{j_{ik} = \cdots_{sa}^{ik} - \boldsymbol{l}+1}^{\cdots^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} \cdots \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\cdots)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{\cdots - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-l}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \ k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - {}^{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} _{ik} + j_{sa} - j_{sa}^{ik})!} \cdot$$

$$\frac{ l - l - 1)!}{ - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{s}^{} + 1 \wedge$

$j_{ik} = j_i + j^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq < \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - {}^{ik} + 1 > \boldsymbol{l_s} \wedge j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + {}^{k} - \boldsymbol{n} \wedge$

$D \geq < n \wedge I 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\{ {}^{ik}_{sa}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}+j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_s+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-\quad)}$$

$$\frac{(D-l_i}{(D+j_i-\boldsymbol{n}-l_i)!\quad\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l_s \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+l_s+s-\boldsymbol{n}-l_i \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$

$j_{ik} = j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik}-j_{sa}^{ik}+1 > l_s \wedge l_i+j_{sa}^{ik}-s = l_{ik} \wedge$

$D+s-\boldsymbol{n} < l_i \leq D+l_s+\quad-\boldsymbol{n}-1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i-1 \wedge j_{s}\quad = j_{sa}^{ik}-1 \wedge$

$s\quad(j_{sa}^s, \Bbbk_1, j_{s}\quad, \Bbbk_2, j_{s}\quad \wedge$

$s > 3 \wedge \boldsymbol{s} = s+\quad$

$\Bbbk_z: z \quad \wedge \Bbbk = \Bbbk_1+\quad \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_s+s-l)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-l+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_s}+s-l+1)}^{(\boldsymbol{l_i}-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad _{sa}^{ik} + 1\right)!}$$

$$\frac{()!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad _i)!} -$$

$$\sum \sum_{(\quad -j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{-\boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\boldsymbol{n} \quad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \,\wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \,\wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{\cdots, j_{ik}, j_i} \sum \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l})}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum^{(l_s + s -}_{(l_i + n - D)}$$

$$\sum^{n}_{=n + \Bbbk\, (n_{is} =} \quad \sum^{(n_i \quad +1)}_{+1)}$$

$$\sum_{n_{ik} = n_{is}} \quad {}_{j_{ik} - \Bbbk_1} \sum^{(\quad)}_{-j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{\quad} \quad j_s - s - \quad {}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j \quad - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l \quad j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \ge n < n \wedge l \ne \quad \wedge l_s \le D - n \quad 1 \wedge$

$2 \quad l \le D + \quad + s - n \quad l_i \wedge$

$1 \le \quad_s \le j_{ik} - j_{sa}^{ik} \quad 1 \wedge$

$j_{ik} = j_i \quad j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \quad j_i \le n$

$l_i \quad j_{sa}^{\quad} \quad 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n \quad l_i \le D + l_s + s - n - 1 \wedge$

$D \ge n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s: \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

526 $\qquad$ $D > \boldsymbol{n} < n$

$\mathbb{k}_z : z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum^{(\quad j_s+1)}$$

$$\sum_{\quad}^{n_{is}+j_s-j_{\quad}\mathbb{k}_1} \sum_{\quad}^{(n_{ik}+j_{ik}-j_{\quad})}$$

$$\frac{(n_i - n_{is}}{(j_s - 2)\cdot(n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{-n_{ik}\quad 1)!}{(j_{ik}-j_s-1)\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{i\quad s}-\mathbb{k}_2-1)!}{(l\quad j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)!\cdot(\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)!\cdot(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)!\cdot(j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)!\cdot(\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{()!}{(n_s+j_i-\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(-\boldsymbol{l}-1)!}{(-j_s-1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1\right)!}{\left(+\boldsymbol{l_{ik}}\right)! \cdot \left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{()} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{()} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!} \cdot$$

$D > \mathbf{n} < n$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$D \geq \mathbf{n} < n \wedge l \neq \ _i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$D + l_s + s - \mathbf{n} - l_i + 1 \leq l \leq \ _i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1 \wedge$

$D \geq \mathbf{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \mathbf{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_i + \mathbf{n} + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ \ )}$$

$$\sum_{n_i = \mathbf{n} + \Bbbk}^{n} \sum_{(n_{is} = \mathbf{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \mathbf{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \mathbf{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + \ldots)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \ldots 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \ldots (j_{ik} - j_s \ldots + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\boldsymbol{n} - \boldsymbol{l_i} \ldots (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum \sum_{\ldots \boldsymbol{l} \,(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{\ldots + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} \ldots_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f z^{j_{s}}{}_{j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+}^{j_{sa}^{ik}-\boldsymbol{l}-s+} \sum_{j_{sa}^{ik}-D-s \ (j_i = j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_i + n - D - s + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{\cdots}^{\cdots - l_{ik})}$$

$$\sum_{\cdots + \Bbbk}^{(n_i - j_s + \cdots)} \sum_{(n_{\cdots} \cdots + \Bbbk - j_s + 1)}$$

$$\sum_{n_{\cdots} \cdots + \Bbbk_2 - j_{ik}}^{n_{is} + \cdots j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} \cdots j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \cdots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\cdots_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\cdots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_i + n - D - s + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+\quad-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa} \quad - \Bbbk \quad)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} \quad j_{sa}^s - j_s \quad \quad j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s \quad \boldsymbol{l} - 1)!}{(\quad \quad - \boldsymbol{l} + \quad)! \cdot (j_s - 2)!}$$

$$\frac{(D - \quad)!}{(D + \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \quad _i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \quad$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \quad \quad \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \quad \wedge \boldsymbol{l_i} + \quad - s = \boldsymbol{l} \quad \wedge$$

$$D + \quad - \boldsymbol{n} < \boldsymbol{l_i} \leq D \quad \boldsymbol{l_s} + s \quad - 1 \wedge$$

$$\quad \geq \boldsymbol{n} < \quad \wedge I = \Bbbk > \quad \wedge$$

$$j_{sa}^{ik} < \quad _a^i - 1 \wedge \quad _{sa} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, \quad^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$\quad > 3 \wedge \boldsymbol{s} \quad s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(l_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\quad-1)}{(j_s-2\quad(n_i-n_{is}\quad+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}\quad1)!}{(j_{ik}-j_s\quad(n_{is}+j_s\quad n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}\quad-\Bbbk_2-\quad)}{(j_i-j_{ik}\quad)!\cdot(n_{ik}\quad_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s\quad j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\quad\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} \qquad)}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_{\quad}: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s , j_{ik}, j_i} = \sum_{k=l}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-l_i}^{(l_s+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad\boldsymbol{l} - 1)}{(\boldsymbol{l}_s - \quad - \boldsymbol{l} + 1) \qquad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \quad)}{(D + j_i \quad\boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{i + l_{ik} - l_i}^{(l_s)} \sum_{(j_i = \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i + \Bbbk}^{(j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\ldots - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \ldots \wedge l \neq {}_i l \wedge \ldots \leq D - \boldsymbol{n} + 1 \wedge$

$D + \ldots + s - \boldsymbol{n} \ldots 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} \ldots j_{sa}^{ik} + 1 \wedge$

$\ldots - j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{} \sum_{j_s=2}^{(l_s-l+1)} $$

$$\sum_{l_{ik}-l_i}^{} \sum_{(j_i=\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(l_{ik}+s-)} $$

$$\sum_{}^{} \sum_{}^{(+1)} $$

$$\sum_{n_i}^{} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{} $$

$$\sum_{n_{is}}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{} $$

with $n_{ik} = \Bbbk_2 - j_{ik} + 1$ lower index.

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \; -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{n} \sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - \qquad j^{ik} - \quad - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \quad)! \cdot \left(\boldsymbol{n} \quad j_{ik} + j_{sa} \quad - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\quad \boldsymbol{l_s} - \boldsymbol{l} - 1)!}{\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \quad - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \quad j_{ik} \quad j_{sa}^{ik} + \quad \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad {}^{ik}_{sa} - s = \boldsymbol{l_{ik}} \wedge$

$D + \quad \boldsymbol{n} < \boldsymbol{l_i} \quad \quad \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < \quad \quad \boldsymbol{l} = \Bbbk > 0 \wedge$

$^{ik} \quad j^i \quad 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-l)}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+1)}^{(n+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - l_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D \quad)!}{(D + j \quad \boldsymbol{n} - l_i)! \cdot (\quad i)!} -$$

$$\sum \sum_{(\quad {}_{sa}^{ik}+1)}$$

$$\sum_{l_s \quad {}^{ik}-l} \sum_{(j_i = j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}+j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik}+j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{\quad_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum \sum^{(l_{ik}+\boldsymbol{n}-D-j_s)}_{(=2)}$$

$$\sum^{l+1}_{=l_{ik}+\boldsymbol{n}-D} \sum^{(\ )}_{(j_i = j_{ik} + l_i - l_{ik})}$$

$$\sum^{n}_{n_i = \boldsymbol{n} + \Bbbk} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum^{n_{is} + j_s - j_{ik} - \Bbbk_1}_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = \ldots_k + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{\ldots - \boldsymbol{n} + \Bbbk \, (n_{is} = \boldsymbol{n} \ldots + 1)}^{n} \sum^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - \ldots} \sum_{(\ldots j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\ldots - n_{ik} - 1)!}{(\ldots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)}{(\boldsymbol{l_s}-j_s-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\ \boldsymbol{l_i})!\cdot(\boldsymbol{n}-j\ )}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - \ = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq \ + \boldsymbol{l_s} + s - \boldsymbol{n} - \ \wedge$

$D \ \boldsymbol{n} < n \wedge \ = \Bbbk > \ $

$j_{sa}^{\ } \ j_{sa}^{i} - 1 \wedge j_{sa}^{s} \ j_{sa}^{ik} - 1 \ $

$\ : \{j_{sa}^{s}, \ ^{ik}_{sa}, \cdots, \Bbbk_2, j_{s}^{\ }\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ \Bbbk \wedge$

$\Bbbk_2 \ = \ \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ldots)!}{(n_s+j_i-\boldsymbol{n}-\ldots-j_i)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l}-1)!}{(\ldots-j_s-\ldots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ldots-j_{sa}^{ik}+1\right)!}{\left(\ldots+\boldsymbol{l_{ik}}-\ldots\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i l}^{(\ \ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s)}^{(l_i - {}_i l + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{ik} = n + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = n - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_il}^{(\,)} \sum_{(j_s=1)}^{(\,)}$$

$$\sum_{j_{ik}}^{(\,)} \sum_{(j_i=s)}^{(\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{ik}-j_{ik})}^{n} \sum_{}^{(\,)} \sum_{n_s=}^{j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(+ j_{ik} + j_s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (+ j_{ik} + s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_il \wedge \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \,^{ik} + 1 > \boldsymbol{l_s} \wedge + j_{sa}^{ik} - \leq \boldsymbol{l_{ik}} \wedge$

$\leq D + - \boldsymbol{n}) \vee$

$(D \geq < n \wedge \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$= j_{ik} + \,_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_il \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \big\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \big\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f z_{\cdots,\, j_{ik}, j_i} \left(\sum_{k=\,_il}^{(\ \ )} \sum_{(j_s=1)} \right.$$

$$\sum_{j_{ik}+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{\left(_{ik}+s-\,_il-j_{sa}^{ik}+1\right)}$$

$$\sum_{i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik} \right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\,_il}^{(\ \ )} \sum_{(j_s=1)} \right.$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)}$$

$$\frac{(n_{ik}-n_s-\Bbbk-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}+1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_{ik}-l_s-1)!}{(l_{ik}-j_{ik}-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_i-j_{sa}^{ik}-l_{ik}-s)!}{(l_i+l_i-j_i-l_{ik}-s)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\left.\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}\right) -$$

$$\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{\ }$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge l =\,_il \wedge l_s \leq D-\boldsymbol{n}+1 \wedge$$

$$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{k={}_i l}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{k=j_{sa}^{ik}}^{j_{sa}^{ik}-{}_i l - s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k={}_i l}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk \, (n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{n} \sum_{n_s=n_{ik}+j_{ik}-j_i}^{(\ )} \sum$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})} \cdot$$

$$\frac{(D - l_i)}{(D + s - l_{ik})! \, (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} + s - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \left(\sum_{k={}_il} \sum_{(j_s=1)}^{(\;)} \right.
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-{}_il+1} \sum_{(j_i=j_{ik}+s-}^{(\;)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{ik}\;-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}\;-1)!}\cdot
$$

$$
\frac{(\;-n_s-\Bbbk_2\;-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}\;-n-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\;-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(l_{ik}-j_i-\boldsymbol{l_s}+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k={}_il} \sum_{(j_s=1)}^{(\;)} \right.
$$

$$
\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-{}_il+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i-{}_il+1\right)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$D > \boldsymbol{n} < n$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{(\ )} \sum_{(j_s = 1)}^{}$$

$$\sum_{=j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk\,(n_{ik}}^{n} \sum_{-j_{ik} - \Bbbk_1}^{} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{\left(n_i + \dots + j_{sa}^s - j_s - \dots - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(\dots - \Bbbk_1 - \dots)! \cdot \left(\boldsymbol{n} + \dots + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \dots \wedge l_s \leq D - \boldsymbol{n} - 1 \wedge$

$1 \leq j_s \leq j_{ik} \dots j_{ca}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \dots$

$j_{ik} + s \dots j_{ca}^{ik} \leq j_i \leq \boldsymbol{n} \dots$

$l_{ik} - j_{sa}^{ik} + \dots \boldsymbol{l}_s \wedge \boldsymbol{l}_\dots j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D \dots < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \dots I = \Bbbk > 0 \wedge$

$j_{sa} \dots j_{sa} - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=\,_il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=l_i+n)}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik}=n+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}\ \ )!}{(j_{ik}-2)!\ \ (\ -n_{ik}-j_{ik}\quad1)!}\cdot$$

$$\frac{(\quad-n_s-\Bbbk_2\quad1)!}{(\ -j_{ik}-1)!\cdot(n_{ik}\quad -n\quad j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i\quad n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(\quad-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_i\quad -l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-n-\Bbbk_1-\Bbbk_2)!\cdot\left(n+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-n-l_i)!\cdot(n-s)!}$$

$$D\geq n<n\wedge l=\,_il\wedge l_s\leq D-n+1\wedge$$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f^{z} S_{\Rightarrow j_s} \quad j_i = \sum_{k=\,_i l}^{(\ )} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} \quad _i l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i l}^{(\ \ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ \ )} \sum_{(j_i=\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ \ )} \sum_{n_s=n_{ik} \ \ -j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik} \ \ -\Bbbk \ \ \right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik} \ \ j_{sa}^s-j_s-\ \ ^{ik}_{sa}\right)!}\cdot$$

$$\frac{(\ \ -l_i)!}{(\ \ -\boldsymbol{n}-\ \ )!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}=\ _i\boldsymbol{l}\wedge\boldsymbol{l}_s\leq D-\boldsymbol{n}+\ \ \wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik} \ \ =\boldsymbol{l_{ik}}\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i} \ \ D+\boldsymbol{l_s}+s-\boldsymbol{n} \ \ 1\wedge$$

$$D\geq\boldsymbol{n}<n \ \ \boldsymbol{l}=\Bbbk \ \ \wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_s \ \ =j_{sa}^{ik}-\ \ \wedge$$

$$\boldsymbol{s}:\{j_{sa}^{s} \ \ ,j_{sa}^{ik},\cdots,\Bbbk_2,j_s \ \ \}\wedge$$

$$s>3\wedge\boldsymbol{s}=\ \ +\Bbbk\wedge$$

$$\Bbbk_z \ \ \ \ \wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\ _i l}^{(\ \ )}\sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{\left(\boldsymbol{l_{ik}}+s-\ _i\boldsymbol{l}-j_{sa}^{ik}+1\right)}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}$$

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$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(l_{ik} - l_s - j_{sa})!}{(l_{ik} - j_{ik} - l + 1)! \cdot (j_{ik} - j^{ik})!} \cdot$$

$$\frac{(D - l)!}{(D - j_i - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k= {}_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\dots - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D > \boldsymbol{n} \wedge \boldsymbol{l} = {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j^{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=}^{(\;)} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{=l_{ik}+\boldsymbol{n}-}^{l_{ik}\;\;\;\;l+1} \sum_{=j_{ik}+s-j_{sa}^{ik}}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ldots\;_{ik}-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-\ldots+1)}^{-j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2\cdots) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(\ldots n_s - \Bbbk_2 - 1)!}{(j_i\;\;_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\;_i\boldsymbol{l}}^{(\;)} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}^{}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l}_{ik} - \boldsymbol{l}_i}^{} \sum_{(j_i = s)}^{\left(\boldsymbol{l}_i - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\;_il}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}}\sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i = n + \Bbbk\,(n_{ik}-\;\;\;\;j_{ik}\;\;\;\;)}^{n}\;\;\sum^{(\;)}\;\;\sum_{n_s = \;\;\;\;j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\;\;\;+ j_{ik} + j_s\;\;\;- j_s - s\;\;\;j_{sa}^{ik} - \Bbbk_1\;\;\Bbbk_2)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)!\;\;\;\;\;+ j_{ik}\;\;\;\;s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D\;\;\;+ s - n - l_i)! \cdot (n - s)!}$$

$$D \geq n < n \wedge l =\;_il \wedge l_s\;\;\;D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} =\;\;+ j_{sa}^{ik} - s\;\;\;$$

$$j\;\;\;+ s - j_{sa}^{ik}\;\;\;\leq n \wedge$$

$$l_{ik}\;\;\;j_{sa}^{ik} + 1 > l_s\;\;\;+ j_{sa}^{ik}\;\;\;l_{ik} \wedge$$

$$l_{ik} \leq D\;\;\;j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge\;\;\;\Bbbk\;\;\;\wedge$$

$$j_{sa}^{i\;\;\;}\;\;\;j_{sa}^{\;\;\;}\;\;\;1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^s, \Bbbk_1\;\;\;, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\;_il}\sum_{(j_s=1)}^{(\;)}$$

$D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_i+j_{sa}^{ik}-\,_il-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}\quad j_{ik}+1)}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\quad\quad-\Bbbk_2)!}\cdot$$

$$\frac{(\quad n_s-1)!}{(n_s+j_i-\quad 1)!\cdot(\boldsymbol{n}-j_{i\quad})}\cdot$$

$$\frac{(l_{ik}-\quad^{ik}\quad)!}{(l_{ik}-j_{ik}-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(\quad l_i)!}{(D+\quad-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =\,_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$s : \{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz} S_{\Rightarrow j_s} j_i = \sum_{k=\,_i l}^{(\,\,)} \sum_{(j_s=1)}^{(\quad _i l + 1)}$$

$$\sum_{j_{ik}=\,\,l_{ik}-l_i}^{} \sum_{(j_i=l_i+n-D)}^{}$$

$$\sum_{n_i\quad+\Bbbk}^{n} \sum_{(n_{ik}-\Bbbk_2-j_{ik}+1)}^{(n\,\,_{ik}-\Bbbk_1+1)} \sum_{n_s=n-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\quad - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \, -$$

$$\sum_{k=\,_i l}^{(\,\,)} \sum_{(j_s=1)}^{(\,\,)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\,\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - \ )!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\}$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z \quad 2 \wedge \Bbbk = \Bbbk_1 \quad \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k= {}_i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-{}_i l - s + 1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j}$$

$$\sum_{k=}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\, (n_{ik}\ldots -j_{ik}-\Bbbk_1\ldots)}^{n} \sum \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + \ldots + j_{sa}^s - j_s - \ldots - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n \ldots \boldsymbol{n} - \Bbbk_1 \ldots \Bbbk_2)! \cdot \left(\boldsymbol{n} + \ldots + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ldots \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \ldots 1 \wedge$

$1 \leq j_s \leq j_{ik} \ldots j_{sa}^{ik} + \ldots$

$j_{ik} = j_i + j_{sa}^{ik} - \ldots$

$j_{ik} + \ldots j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \ldots$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ldots \geq \boldsymbol{l_s} \wedge \boldsymbol{l_i} \ldots j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + \ldots \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \ldots \boldsymbol{l} = \Bbbk > 0 \wedge$

$j_s \ldots \ldots 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\;_il} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-)}^{\left(\boldsymbol{l_{ik}}+s-\;_i\boldsymbol{l}-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-\;\;-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(\boldsymbol{n}_i - n_{ik}\quad)!}{(j_{ik}-2)!\;(\quad-n_{ik}-j_{ik}\quad1)!} \cdot$$

$$\frac{(\quad n_s - \Bbbk_2\quad1)!}{(\;-j_{ik}-1)\;(n_{ik}\quad-n_s\;j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i\quad n-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\quad-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i\quad-\boldsymbol{l_s}+1)! \cdot \left(j_{ik}-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\;_il} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)! \cdot \left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \;_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$fz S_{\Rightarrow j_s} \quad j_i = \sum_{k=\,_i l} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{-\,_i l+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\ )}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ \ )} \sum_{n_s=n_{ik}+\ \ -j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\ -\Bbbk\ \right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}\ -j_{sa}^s-j_s-s\ -j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\ -\boldsymbol{l}_i)!}{(D\ -\boldsymbol{n}-\ )!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l} \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s\ \ \wedge$

$D \geq \boldsymbol{n} < n\ \ \boldsymbol{l} = \Bbbk\ \ \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_s\ \ < j_{sa}^{\ }\ \wedge$

$\boldsymbol{s}: \{j_{sa}^{\ }\ ,\Bbbk_1,j_{sa}^{ik},\cdots,\ \ j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} =\ \ +\Bbbk \wedge$

$\Bbbk_z:\ \ \ \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l - 1)!}{(l - j_s - \Bbbk + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - l - j_{sa}^{ik} + 1\right)!}{(l_i + \boldsymbol{l_{ik}} - l - j_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{l} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - 1)!}{(j_s + l_{ik} - j_{ik} - l_s) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(\boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum \sum_{\; l \;(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = l_i + \boldsymbol{n} - D)}^{(l_s + s - l)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{n \quad (n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \,\wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \,\wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_i = \sum_{l=l}^{(l_s - l + 1)} \sum_{(l_s + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + j_{sa} - s}^{(l_i - l + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{-\boldsymbol{l_i} + \boldsymbol{n} - D}^{(\boldsymbol{l_s} + s -}$$

$$\sum_{-\boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} +1)}^{(n_i +1)}$$

$$\sum_{n_{ik} = n_{is} + j_{ik} - \Bbbk_1}^{(\quad)} (\quad j_i - \Bbbk_2)$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\quad + j_{ik} + j_{sa} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \quad j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > \quad - \boldsymbol{n} + 1 \wedge$$

$$2 \quad \boldsymbol{l} \leq D + \quad + s - \quad - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} \quad 1 \wedge$$

$$j_{ik} = j_i \quad j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \quad j_i < \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} \quad j_{sa}^{ik} \quad 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \quad I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} \quad j_{sa} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \Bigg(\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(j_{ik}-\Bbbk_2)}
$$

$$
\frac{(\,\cdots - n_{is}\,-1)!}{(j_s\,-\,2)!\cdot(n_i\,-\,\cdots +1)!}\cdot
$$

$$
\frac{(\,\cdots - n_{ik}\,-\,\Bbbk_1 -1)!}{(\,\cdots_{ik}-j_s-1)!\cdot(\,\cdots_s+j_s\,-\,\cdots_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(n_{ik}\,-\,\cdots -\Bbbk_2-1)!}{(\,\cdots_i-j_{i\cdots}\,-1)!\cdot(\,\cdots_s+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\big(j_{ik}-j_s-j_{sa}^{ik}+1\big)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}
$$

$$
\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}
$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l - 1)!}{(l - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - j_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=l}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \ldots (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \ldots (j_i + j_s - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \ldots - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{j_i + j_{sa}^{ik} - s - 1} \sum_{(j_i = \boldsymbol{l_s} + s - \boldsymbol{l} + 1)}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot \left(\boldsymbol{n} - j_i\right)!}$$

$$\sum_{k=l}^{(l_s \quad -1)} \sum_{(j_s = l_s + \boldsymbol{n} -)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} - D}^{ -l + 1} \sum_{\left(j_i = l_{ik} + s - l - j_{sa}^{ik} + 2\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{ -j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}\Bigg) -$$

$$\sum_{k=l}^{()} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{(j_i = j_i + j_{sa}^{ik} - s)}^{(+ s - l)}$$

$$\sum_{()}^{(- D)}$$

$$\sum^{(n_i - j_s + 1)}$$

$$\sum_{\Bbbk (n_{is} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \cdots j_{ik} - \Bbbk_1 (\cdots n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} \cdots j_{sa}^s - j_s - \cdots j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \cdots \Bbbk_1 - \Bbbk_1 \cdots) \cdot (n \cdots _{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + \wedge$$

$$D + l_{ik} \cdots s - n - l_i - j_{sa}^{ik} + 2 \leq l \leq D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} \cdots j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} \cdots j_i \cdots j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j^{ik} \cdots \leq j_i \leq n \wedge$$

$$l_{ik} \cdots_{sa} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$\qquad D > \boldsymbol{n} < n$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}
$$

$$
\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(\ \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}
$$

$$
\sum^{(n_i \ +1)} \sum_{+ \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk \ \ 1)}
$$

$$
\sum_{n_{ik} \ \Bbbk_2 - j_{ik} + 1}^{+ j_s - j_{ik} - \Bbbk \ (n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum^{i+1}
$$

$$
\frac{(\ \ - n_{is} - 1)!}{(j \ \ 2)! \cdot (n \ - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n \ - \Bbbk_1 - 1)!}{(j_{ik} - j_s \ 1)! \cdot (n \ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}
$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_{s}\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+\ldots-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}\ldots-\Bbbk\ldots)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}\ldots j_{sa}^s-j_s-\ldots j_{sa}^{ik})!}\cdot$$

$$\frac{(l_s\ldots\boldsymbol{l}-1)!}{\ldots-\boldsymbol{l}+\ldots!\cdot(j_s-2)!}$$

$$\frac{(D-\ldots\ldots)!}{(D+j\ldots\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + \ldots - j_{sa}^{ik} \leq j_i \ldots \wedge$

$\boldsymbol{l}\ldots - j_{sa}^{ik} + 1 \ldots \boldsymbol{l} \wedge \boldsymbol{l_i} + \ldots^{ik} - s = \boldsymbol{l}\ldots \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \ldots 0 \wedge$

$\ldots^{ik}_{sa} < j_{sa}\ldots 1 \wedge j_{sa}^s < j_s \ldots - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, \ldots j_{sa}^i\} \wedge$

$s \ldots 4 \wedge \ldots s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \ldots \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)\cdot(n_i-n_{is}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)\cdot(n_{is}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\ \ \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - \ - \boldsymbol{l} + 1)! \cdot (\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S_{\Rightarrow j_s , j_{ik}, \dots} = \sum_{\dots = \boldsymbol{l}}^{(\dots \boldsymbol{l}+1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{\dots}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{(n + j_{sa}^{ik} - D -)}^{l_s + \ldots l} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i \ldots \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(\ldots + 1)}$$

$$\sum_{= n_{is} + j \ldots k - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(n_i + j_{\ldots} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(\ldots - n - \Bbbk_1 \ldots \Bbbk_2\right)! \cdot \left(n + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < \ldots \wedge l_s > D - \ldots + 1 \wedge$$

$$2 \leq \ldots D + l_{ik} \ldots n - l_i - j_{sa}^{ik} + 1 \wedge$$

$$2 \leq j_s \leq j_{\ldots} - j_{sa}^{ik} + 1 \wedge$$

$$\ldots = j_{\ldots sa}^{\ldots} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

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$$D > \boldsymbol{n} < n$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_{1}, j_{sa}^{ik}, \cdots, \Bbbk_{2}, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_{z}: z = 2 \wedge \Bbbk = \Bbbk_{1} + \Bbbk_{2} \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.
$$

$$
\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}
$$

$$
\sum_{}^{(n_i-j_s+1)} \sum_{}^{}
$$

$$
\sum_{n_{is}+}^{} \sum_{}^{(n_{ik}\quad j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \quad - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\quad - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}
$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk+1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_{ik}+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\left.\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=l} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}\right.$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-\ldots)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{(\ldots-j_s-\ldots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\ldots-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ldots-j_i-\ldots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - } \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} s)!}{(j_{ik} + \boldsymbol{l}_i - \cdot (j_i + j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l}_s + \boldsymbol{n} - D)}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l} + 1}^{\boldsymbol{l}_{ik} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\boldsymbol{l}_i - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\left.\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (- j_i)!}\right)$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} +)}$$

$$\sum_{\boldsymbol{x} = l_i + \boldsymbol{n} + - D - s} \sum_{\left(j_i = j_{ik} + s - j_{sa}^{ik}\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(+ j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \leq \boldsymbol{n} < \wedge l_s > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq \quad l_s + s - \boldsymbol{n} - l_i \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \land j_{sa}^{s} < j_{sa}^{ik} - 1 \land$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \land$$

$$s > 4 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\ldots + \boldsymbol{n}-D-s)} \sum_{(j_s - \ldots + \boldsymbol{n}-D)}
$$

$$
\sum^{\boldsymbol{l}_i + j_{sa}^{ik} - s + 1} \sum_{(\ldots + j_{sa}^{ik} - D - \ldots j_{ik} = j_{ik} + s - j_{sa}^{ik})}^{\ldots + 1}
$$

$$
\sum_{n_i \ldots + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}
$$

$$
\sum_{n_{is} \ldots - j_{ik} - \Bbbk_1 (\ldots + \Bbbk_2 - j_{ik} + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\ldots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-\boldsymbol{l}+1)} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+)}^{(j_{ik}+j_{ik}-j-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_{is}-n_{ik}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}+\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j-1)! \cdot (n+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-\boldsymbol{l}+1)} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{\left(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2\right)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\quad)}$$

$$\frac{(D-\boldsymbol{l_i}}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$$

$$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\quad\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge\boldsymbol{s}=\quad+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\quad+\Bbbk_2\Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s \cdots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - l_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - l_s)! \cdot (l_s - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\ldots,_{j_s,j_{ik},j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(j_s = l_i + \boldsymbol{n} - D - s)}^{(\boldsymbol{l_s} - \boldsymbol{l})}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1}^{l_{ik} - l + 1} \sum_{(j_i - j_{ik} - s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)} \right.$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_s+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)! \cdot (n-j_i)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=l_{ik}+s-l-j_{sa}^{ik}+2)}^{(l_i-l+1)}$$

596 $\qquad$ $D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - l - 1)!}{(n_s + j_i - \boldsymbol{n} - 1 - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s + n - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - l - j_{sa}^{ik} + 1\right)!}{(l_s + \boldsymbol{l_{ik}} - j_{ik} - s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(l_s - \ - \boldsymbol{l} + 1)! \cdot (\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \ - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_{i} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sideset{}{}{\sum}_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n})}$$

$$\sum_{j_{ik}=j_{sa}^{ik}-s}^{(\boldsymbol{l_s}-\boldsymbol{l}-j_{sa}^{ik}+1)}\sum_{(j_i=\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{(n_{is}-j_{ik}-\Bbbk_1)}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$D > \boldsymbol{n} < n$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(l_s+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}- \quad j^{ik}-\Bbbk-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\quad)!\cdot(\boldsymbol{n}\quad j_{ik}+j_{sa}\quad -j_{sa}^{ik})!}\cdot$$

$$\frac{\boldsymbol{l_s}-\boldsymbol{l}-1)!}{\quad -j_s-\quad +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\quad j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + \quad \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \quad \boldsymbol{n} + 1 \land$

$2 \leq j_s \quad j_{ik} - j_{sa}^{ik} + \quad \land$

$j_{ik} = j_i + j_{sa}^{ik} - \quad \land$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} \quad > \boldsymbol{l_s} \land \boldsymbol{l_i} - \quad_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D \geq \quad < n \land \quad \quad 0 \land$

$j_{sa}^{ik} < j_{sa}^{i} \quad \land j_{sa}^{s} < j_{sa}^{ik} - 1 \land$

$\{ j^s \quad 1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \land$

$s > 4 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_{ik}+n+s-D-j^{ik})}^{(l_{ik}+s-l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ldots}^{n_{is}+j_s-j_{ik}\ldots+j_{ik}\ldots i-\Bbbk_2)} \sum_{(n_s=n-j_i+\ldots)}^{}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\ldots n_{is}-j_s+1)!}\cdot$$

$$\frac{(\ldots-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ldots-\Bbbk_2-1)!}{(j_i-j\ldots-1)!\cdot(n\ldots+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} -$$

$$\sum_{k=l}^{(\;\;)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - l)!}$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \boldsymbol{s} + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=\boldsymbol{l}_s+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s\ \ )!}{(n_s+j_i\ \ \boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ \ j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\ \ 1)!}{(\ \ \ j_s\ \ l\ \ )(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\ \ j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j\ \ \boldsymbol{l_s})\cdot(\ \ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ \ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{\quad}^{(\quad)} \sum_{(\quad - j_{sa}^{ik} + 1)}$$

$$\sum_{=\boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \quad ik - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_z S_{\Rightarrow j_s, j_{ik},} = \sum_{l}^{l} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{1)}$$

$$\sum_{j_{ik} = \boldsymbol{n} - D}^{(\quad)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{is + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{( )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = \ \ + s - j_{sa}^{ik})}^{( )}$$

$$\sum_{\boldsymbol{n} + \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk \ \ + 1)}^{n \quad (n_i \ \ + 1)}$$

$$\sum_{n_{ik} = n_{is} + \ \ \ j_{ik} - \Bbbk_1 \ (\ \ \ \ \ \ j_i - \Bbbk_2)}^{( )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \ \ j_s - s - \ ^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \ \ \Bbbk_1 - \Bbbk_2)! \cdot (\ \ \ j_{ik} + j_s \ \ - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \ \ j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > \ \ - \boldsymbol{n} + 1 \wedge$$

$$2 \ \ \boldsymbol{l} \leq D + \ \ + s - \boldsymbol{n} \ \ \boldsymbol{l_i} \wedge$$

$$2 \ \ \ \leq j_{ik} - j_{sa}^{ik} \ \ \ \wedge$$

$$j_{ik} = j_i \ \ j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \ \ \ < \ \ \wedge$$

$$\boldsymbol{l_{ik}} \ \ j_{sa}^{ik} \ \ 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < \ \ I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{\ } - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s,\,j_{ik},j_i} = \sum_{k=l}^{(l_{ik}+n-D-j_{sa}^{ik})} \sum_{(j_s=l_s+n-D)}
$$

$$
\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n+\Bbbk_2-\ }^{n_{is}+j_s-j_{ik}-\ } \sum_{(n_s=n-j_i+\ )}^{+j_{ik}\ i-\Bbbk_2)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(\ -\ -j_s+1)!}\cdot
$$

$$
\frac{-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j\ -1)!\cdot(n\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot
$$

$$
\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot
$$

$$
\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+
$$

$$
\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$D + l_s + s - n - l_i + 1 \leq l \leq D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_s, j_{ik}, j_i = \sum_{k=l} \sum_{(j_s = l_s + n - D)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + \dots\right)} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\dots - j_i)!}$$

$$\sum_{k=\dots}^{\dots} \sum_{=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}}^{(l_s - l + \dots)}$$

$$\sum_{j_{ik}=\dots+j_{sa}^{ik}-1}^{\left(j_i = j_{ik} + s - j_{sa}^{ik}\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\dots} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{\dots} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\dots + j\dots + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \dots_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \dots \boldsymbol{n} \dots \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \le l \le D \dots l_s + s - \boldsymbol{n} - l_i \wedge$

$2 \dots j_s \dots j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
\begin{aligned}
_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = & \sum_{k=\boldsymbol{l}}^{(k - j_{sa}^{ik}+1)} \sum_{(j_s = \cdots + \boldsymbol{n} - D)}^{(\cdots)} \\
& \sum_{j_{ik} = j_i + \boldsymbol{l_{ik}}}^{(\cdots)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\cdots)} \\
& \sum_{n_{\cdots} + \Bbbk}^{(\cdots + j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\cdots)} \\
& \sum_{n_{is} = \cdots - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(\cdots)} \\
& \sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1}^{(\cdots)} \\
& \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \\
& \frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot \\
& \frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot \\
& \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot \\
& \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\
& \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
\end{aligned}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=l}^{} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-l+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i--1)!}{(-2)!\cdot(-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}--\Bbbk_2-1)!}{(j_i--1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-\;\;)}$$

$$\frac{(D-l_i\;)}{(D+j_i-\boldsymbol{n}-l_i)!\;(\;\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge l_s>D-\boldsymbol{n}+1\wedge$$

$$D+l_s+s-\boldsymbol{n}-l_i+1\leq l\leq D-\boldsymbol{n}+1\wedge$$

$$2\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$l_{ik}-j_{sa}^{ik}+1>l_s\wedge l_i+j_{sa}^{ik}-s=l_{ik}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1$$

$$s:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik}\;\;,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge s=\;\;+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\;\;+\Bbbk_2\Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_s+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}^{(l_i-l+1)}\sum_{(j_i=l_i+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots \boldsymbol{l} - 1 \ldots)}{(\boldsymbol{l_s} - \ldots - \boldsymbol{l} + 1 \ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\ldots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})\ldots}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \leq l \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\Rightarrow j_s, j_{ik}, j_i \sum_{l=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = l_s + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = l_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_s^{} j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=l}^{} \sum_{(j_s = \ \ -\boldsymbol{n}-D)}^{(l_s - l + 1)}$$

$$\sum_{=l_s + j_{sa}^{ik} - l}^{l_i + j \quad -l-s+1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{}$$

$$\sum_{n_i \ + \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\quad j_s + 1)}$$

$$\sum_{n_{ik} = \quad -j_{ik} + 1}^{n_{is} \quad -j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\ \ - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-\ )}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{(\ )} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-\ \ \ \ -\ \ ^{ik}-\Bbbk-\Bbbk_2\right)!}{(n_i-n-\Bbbk_1-\ )! \cdot \left(n\ \ \ _{k}+j_{sa}\ \ -j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\ \ -l-1)!}{\ \ -j_s-\ 1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D\ \ j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D-n+\ \ \wedge$

$D+l_s+s-n-l_i+1 \leq l \leq D\ \ n+1 \wedge$

$2 \leq j_{s}\ \ j_{ik}-j_{sa}^{ik}+\ \ \wedge$

$j_{ik}=j_i+j_{sa}^{ik}-\ \ \wedge$

$j_{ik}+\ \ -j_{sa}^{ik} \leq j_i \leq\ \ \wedge$

$l_{ik}-j_{sa}^{ik}+\ \ > l_s \wedge l_i+\ ^{ik}_{sa}-s=l_{ik} \wedge$

$D \geq\ \ < n \wedge l\ \ \ 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i}-\ \ \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$\{j^{s}\ \ \ _1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

618 $D > \boldsymbol{n} < n$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_{is}-n_i+j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}+\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\ -$$

$$\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \ )}$$

$$\frac{(D - \boldsymbol{l_i}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$

$j_{ik} = j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} < j_{sa}^i - 1 \land j_{sa}^s < j_{sa}^{ik} - 1$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \ldots \Bbbk_2, j_{sa}^i \right\} \land$

$s \gtrless 4 \land \boldsymbol{s} = \ + \Bbbk \land$

$\Bbbk_z: z = 2 \land \Bbbk = \ + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - 1)!}{(\ \ )! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l}_s)! \cdot (\ \ - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ \ - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)} \quad \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \quad \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} \; -$$

$$\sum \sum_{ (D-s+1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}$$

$$\sum_{=j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}^{n}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(\quad_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \le \boldsymbol{l} \le D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fzS_{\Rightarrow j_s, j_{ik}, j_i} \sum_{k=\boldsymbol{l}}^{(l+1)} \left(j_s - -D \right)$$

$$\sum_{j_{ik} = +j_{sa}^{ik} - D}^{\boldsymbol{l_i} + j_{sa}^{ik} - l - s +} \sum^{(\quad)}_{(\boldsymbol{l_i} - \boldsymbol{l_{ik}})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+l_i-l_i)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-}^{(\ )} \sum_{s=n_{ik}+j_{ik}-j_i}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \ \ - j_{sa}^{ik} - \ - \Bbbk_2\right)!}{(n_i - n - 1 - \Bbbk_2)! \cdot (n_i + j_{ik} + j_{sa}^{s} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \ \wedge$

$l_{ik} - j_{sa}^{ik} - 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge \ \ \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\ \{j_{sa}^{s}, \cdots, \ 1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j^{ik})}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i+1}^{n_{is}+j_s-j_{ik}\cdots+j_{ik}\cdots_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\,-$$

$$\sum_{k=\boldsymbol{l}}^{(\ \ )}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ \ )}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!} \cdot$$

$$\sum_{(=\boldsymbol{l}} \left(\sum_{(j_s = j_{ik} - j_{sa}^{i}}\right)$$

$$\sum_{j_{ik} = j_i + -\boldsymbol{l_i}} \left(j_i = \boldsymbol{l_{ik}} + \mathbf{s} - D - j_{sa}^{ik}\right)$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{(\quad)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{ + j_{sa}^{s} - j_s - \mathbf{s} - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - {}_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - \mathbf{s} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \quad \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le \boldsymbol{l} \le D \quad \boldsymbol{l_s} + \mathbf{s} - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$2 \quad j_s \quad j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - \mathbf{s} \wedge$$

$$j_{ik} + \mathbf{s} - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - \mathbf{s} = \boldsymbol{l_{ik}} \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(k-j_{sa}^{ik}+1)} \sum_{(j_s=\cdots+n-D)}
$$

$$
\sum_{l_s=\cdots j_{sa}^{ik}-l} \quad \sum_{l_i=l_{ik}+n-\cdots}^{(j_{ik}+l_i-l_{ik})}
$$

$$
\sum_{n_i=\cdots+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\cdots+1)}
$$

$$
\sum_{n_{ik}=\cdots \Bbbk_2-j_{ik}+1}^{n_{is}=\cdots-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1 \right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\,+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\,)}^{(n_{ik}+j_{ik}-\,j_i-\Bbbk_2)}$$

$$\frac{(n_i - n\,- 1)!}{(j_s\,-2)! \cdot (\,n\,-j_s+1)!} \cdot$$

$$\frac{(\,_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\,-\Bbbk_2-1)!}{(j_i-\,-1)! \cdot (n\,+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(\quad)} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \_\_)!}$$

$$\frac{(D - l_i\_)}{(D + j_i \_\_ \boldsymbol{n} - l_i)! \_ \boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$$

$$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - \_ \wedge$$

$$\boldsymbol{s} : \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \_\_ \Bbbk_2, j_{sa}^i\right\} \wedge$$

$$s \_\_ 4 \wedge \boldsymbol{s} = \_\_ + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \_\_ + \Bbbk_2 \Rightarrow$$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(l_s-\boldsymbol{l}+1)} \sum_{(j_s=l_s+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=l_{ik}+\boldsymbol{n}-D}^{l_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} -\ - \boldsymbol{l} + 1)! \cdot (\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \ - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$\qquad D > \boldsymbol{n} < n$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f2 \cdots {}_{i s}, j_{ik}, j_i \qquad \sum \qquad \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}} + D - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{k} - \boldsymbol{l} + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum^{(-l_{ik})}$$

$$\sum^{(n_i - j_s + 1)} \sum_{\Bbbk (n_{is} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{is} + \dots + j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} \dots j_i - \Bbbk_2)}$$

$$\sum_{n_{ik} \dots n + \Bbbk_2 - j_{ik}}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s -)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(- j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+ -j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}\ \ -\Bbbk\ )!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik} \ j_{sa}^s-j_s\ \ j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l}_s\ \ \boldsymbol{l}-1)!}{\ \ -\boldsymbol{l}+ \ \cdot(j_s-2)!}$$

$$\frac{(D-\ \ }{(D+j\ \ \boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D-\boldsymbol{n}+1 \wedge$

$D+\boldsymbol{l}_s+s-\boldsymbol{n}-\boldsymbol{l}_i+1 \leq \boldsymbol{l} \leq \ \ +1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$

$j_{ik}=j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+\ \ -j_{sa}^{ik} \leq j_i\ \ \wedge$

$\boldsymbol{l}\ \ -j_{sa}^{ik}+1\ \ \boldsymbol{l}_ \wedge \boldsymbol{l}_i+\ ^{ik}-s=\boldsymbol{l}_ \wedge$

$D\ \ \boldsymbol{n} < n \wedge I=\Bbbk\ \ 0 \wedge$

$\ _a^{ik} < j_{sa}\ \ 1 \wedge j_{sa}^s < j_s\ \ -1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1, \ \ j_{sa}^i\right\} \wedge$

$s\ \ 4 \wedge\ \ s+\Bbbk \wedge$

$\Bbbk_z:z=2\ \ \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l}_s+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\quad-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j\quad-j\quad-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s\quad_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j\quad\quad n_s-j_i-\Bbbk\quad}\cdot$$

$$\frac{(\quad-\quad)!}{(n_s\quad j_i-\boldsymbol{n}\quad-j_i)!}\cdot$$

$$\frac{\quad-\boldsymbol{l}-1)!}{\quad-j_s-\quad1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\quad-j_{sa}^{ik}+1\right)!}{\quad+\boldsymbol{l_{ik}}\quad\quad)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{)!}{(D + j_{} \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum \sum_{(j_s=2)}^{(l_s - l + 1)}$$

$$\sum_{=j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - \boldsymbol{l} + 1)}^{(l_i - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik}} \sum_{(j_i = s+1)}^{(l_s + s}$$

$$\sum_{=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + 1)}^{(n_i + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s \quad j_s - s \quad ik - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} \quad \Bbbk_1 - \Bbbk_2)! \cdot (\quad j_{ik} + j \quad j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \quad j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\Big((D \quad \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \quad \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} \quad 1 \wedge$$

$$1 \quad j_s \leq j_{ik} - \quad^{ik} + 1 \wedge$$

$$j_{ik} \quad _i + j_{sa}^{ik} - s \wedge$$

$$_{ik} + s - \quad^{ik} \leq j_i \leq \boldsymbol{n} \quad$$

$$\boldsymbol{l_{ik}} - \quad^{ik} + 1 > \quad + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \quad D + \quad \boldsymbol{n}) \vee$$

$$(D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l} \neq \quad_i \boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}\Big) \vee$$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s + 1 > \boldsymbol{l}_s \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n})) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_i} = \left(\sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l}_s + s - \boldsymbol{l})} \sum_{(j_i = s + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=l}^{} \sum_{j_s=2}^{(l_s - l + 1)} \cdots$$

$$\sum_{=j_i + j_{sa}^{ik} - s}^{(l_{ik} + \cdots + 1)} \sum_{i = l_s + s - l + 1}^{} \cdots$$

$$\sum_{n_i + \Bbbk}^{(\cdots - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{} \cdots$$

$$\sum_{n_{ik} = \cdots \Bbbk_2 - j_{ik} + 1}^{n_{is} \cdots - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left. \frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=s}^{(l_s+s-l)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}}^{(n-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\quad-\Bbbk_2)}$$

$$\frac{(\quad-n_{is}\quad1)!}{(j_s\quad)!\cdot(n_i\quad+1)!}\cdot$$

$$\frac{(\quad-n_{ik}\quad-1)!}{(\quad-j_s-1)!\cdot(_{ik}+j_s\quad-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}\quad-\Bbbk_2-1)!}{(_i-j_{ik}\quad)!\cdot(_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s-1} \sum_{(j_i=l_s+s-l+1)}^{(l_{ik}+s-l-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \cdots)!}{(n_s + j_i - \boldsymbol{n} - \cdots - j_i)!} \cdot$$

$$\frac{(\cdots - \boldsymbol{l} - 1)!}{(\cdots - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \cdots - j_{sa}^{ik} + 1)!}{(\cdots + \boldsymbol{l_{ik}} - \cdots) \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \;)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} - 1)!}{(l_s - \; - l + 1)! \cdot (\; - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_s + 1)!}{(j_s + l_{ik} - \;)! \cdot (j_{ik} - \; - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{ik} - l_{ik} - \;)!}{(j_{ik} + l_i - \; - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} \Bigg) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{(l_s + s - \boldsymbol{l})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum^{n}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \ _i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$j_{\ \ \ } \Rightarrow j_s, j_{ik}, j_i = \sum_{k=l}^{} \sum_{(j_s = 2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\ \ -\boldsymbol{l}+1)} \sum_{(j_s=\ \ )}$$

$$\sum_{j_{ik}=\ \ -j_{sa}^{ik}-\boldsymbol{l}+1}^{ik-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \ldots^{ik} - \Bbbk - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 -)! \cdot (\boldsymbol{n} \ldots_{ik} + j_{sa} \ldots - j_{sa}^{ik})!} \cdot$$

$$\frac{\ldots - \boldsymbol{l} - 1)!}{\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\ldots + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \ldots D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_s \ldots - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \ldots \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_s + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \ldots j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s \ldots \boldsymbol{n}\big) \vee$

$(D \ldots \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} \ldots j_{sa}^{ik} + 1 \wedge$

$j_{ik} \ldots + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, \ldots, j_i} = \left(\sum_{k=\boldsymbol{l}}^{\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l}_s + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum^{(\cdots j_{sa}^{ik})}$$

$$\sum_{\boldsymbol{n}+\Bbbk\,(\cdots)}^{(n_i-j_s+\cdots)} \sum^{(\cdots\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{is}+\cdots\,j_{ik}-\Bbbk_1}^{(\cdots j_i-\Bbbk_2)} \sum_{(\cdots)}^{}$$

$$\sum_{\cdots\boldsymbol{n}+\Bbbk_2-j_{ik}}^{} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \cdots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \cdots - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\cdots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}}^{\left(j_{ik}-j_{sa}^{ik}+1\right)} \sum_{(j_s=2)}\right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\ldots-1)!}{(j_s-2)!\cdot(n_i-n_{is}-\ldots-1)!}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_i-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-1)!}{(n_s-j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{\cdots (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\cdots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_i - \boldsymbol{l_{ik}} - s)!}{(j_{ik} - j_i - \cdots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \quad \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

652　　　　　　$D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!}$$

$$\frac{(\qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - \boldsymbol{l} +)}$$

$$\sum_{=j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{{}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{ - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad n \wedge \boldsymbol{l} \neq \quad {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \land l_i + j_{sa}^{ik} - s > l_{ik} \land$$

$$l_i \leq D + s - n) \lor$$

$$(D \geq n < n \land l \neq {}_i l \land l_i \leq D + s - n \land$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n) \lor$$

$$(D \geq n < n \land l \neq {}_i l \land l_s \leq D - n + 1 \land$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \land$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \land$$

$$l_i - s + 1 > l_s \land$$

$$l_i \leq D + s - n)) \land$$

$$D \geq n < n \land I = \Bbbk > 0 \land$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \land j_{sa}^s < j_{sa}^{ik} \quad \land$$

$$s: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \land$$

$$s > 4 \land s = s + \quad$$

$$\Bbbk \quad z = 2 \land \quad \Bbbk_1 + \quad \Rightarrow$$

$$fz S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)} \right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\phantom{l_{}} \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - - \boldsymbol{l} + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})}{(D + j_i - - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \right.$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ )!}$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{\ -l+1} \sum_{(j_s = \ )}$$

$$\sum_{j_{ik} = \ +j_{sa}^{ik}-1} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(\ + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)! \cdot (n + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \ n \ \ \wedge l \neq \ _i l \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D \ \ l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \,\wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \,\wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j-j_{sa}^{ik}+1)} \sum_{O_S}
$$

$$
\sum_{j_{ik}=j_i+j_{sa}}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(\cdots+\boldsymbol{n}-D)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=l} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_s+s-l+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ +1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}\ \ _i-\Bbbk_2)}$$

$$\frac{(n_i-n\ -1)!}{(j_s-2)!\cdot(n\ -n\ j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}\ \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j\ -1)!\cdot(n\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - l_i \quad}{(D + j_i - \boldsymbol{n} - l_i)! \quad \boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s \quad - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa} \quad < j_{sa}^{ik} - 1 \wedge$

$s \quad \{j_{sa}^s, \cdots, \Bbbk_1 \quad {}^{ik}, \cdots, \Bbbk_2 \quad {}^i_a\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \quad$

$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-\ldots)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\ldots-1)!}{(\ldots-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(\boldsymbol{l}_s-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ldots-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\;\sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge \mathbb{k} > 1 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \dots \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \dots \mathbb{k} \wedge$

$\mathbb{k}_2 = \dots \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)} \right.$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - \boldsymbol{l})}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\pmb{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\pmb{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \pmb{n} - 1 - j_i)!} \cdot$$

$$\frac{(l - 1)!}{(l - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\pmb{l_{ik}} - l - j_{sa}^{ik} + 1)!}{(l_i + \pmb{l_{ik}} - l - j_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \pmb{l_i})!}{(D + j_i - \pmb{n} - \pmb{l_i})! \cdot (\pmb{n} - j_i)!} +$$

$$\sum_{k=\pmb{l}}^{l_s} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_s+s-l+1)}^{(l_{ik}+s-l-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\pmb{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\pmb{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - }$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - 1)!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{s=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{i+j_{sa}^{ik}-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (\quad n - j_i)!} \cdot$$

$$\sum_{k=l}^{(\quad l+1)} \sum_{(j_s = \quad}^{}$$

$$\sum_{j_{ik} = \quad n - D}^{\quad ik \quad s - 1} \sum_{(j_i = l_s + s - l + 1)}^{(\quad s - l - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{l_{ik} - l + 1} \sum_{}^{(l_i \quad 1)}$$

$$\sum_{\boldsymbol{n} + \Bbbk}^{} \sum_{}^{(n_i - j_s +}$$

$$\sum_{n_{is} \quad j_{ik} - \Bbbk_1}^{} \sum_{}^{(n_i \quad j_i - \Bbbk_2)}$$

$$\sum_{\boldsymbol{n} + \Bbbk_2 - j_{ik}}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} \quad {}_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\quad - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-\boldsymbol{l})} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum^{(\ )}_{=n_{ik}+j_{ik}-j_i-}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s - \quad - j_{sa}^{ik}-\Bbbk-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\ )! \cdot (\boldsymbol{n}\ _{ik}+j_{sa}^{\ } \quad -j_{sa}^{ik})!} \cdot$$

$$\frac{(\ \boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\ -j_s- \quad +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ \ j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \quad D-\boldsymbol{n}+1 \wedge$$

$$D+\boldsymbol{l_{ik}}+s-\boldsymbol{n} \quad \boldsymbol{l_i}-j_{sa}^{ik}+2 \leq \quad < D-\boldsymbol{n}\ \ 1 \wedge$$

$$1 \leq j_s \leq j_{i\ }\ \ _{sa}^{ik}+ \quad$$

$$j_{ik}=j_i+j_{sa}^{ik}-s$$

$$j_{ik}+\ \ j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ \ > \boldsymbol{l_s} \wedge \boldsymbol{l_i}\ \ _{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$$

$$D+\ \ \boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa}^{ik}\Big) \vee$$

$$(D \geq \boldsymbol{n} < \ \ \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$$

$$D \quad \ \ s-\boldsymbol{n}-\boldsymbol{l_i}-j_{sa}^{ik}+2 \leq \boldsymbol{l} \leq D-\boldsymbol{n}+1 \wedge$$

$$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \boldsymbol{n} < l_i \le D + l_{ik} + s - \boldsymbol{n} - j_{sa}^{ik}\Big)\Big) \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \big\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \big\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}}^{(\ldots+1)} = \sum_{k=l}^{\ldots} \sum_{(j_s=2)}^{\ldots}$$

$$\sum_{j_{ik}=\ldots+\boldsymbol{n}-D}^{l_{ik}\ldots-l+1)} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j = j_i + j_{sa}}^{(\ +s-l)} \sum^{(\ -D)}$$

$$\sum^{\mathbb{k}} \sum_{(n_{ik} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{-j_{ik} - \mathbb{k}_1} \sum^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s + j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - n_{ik} - \mathbb{k}_1 - \ )! \cdot (n + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq \ \wedge l_s \leq \ - \ 1 \wedge$

$2 \leq l_\ \ D + l_s + s - \ - l_i \wedge$

$1 \leq j_s \leq j_{ik} \ j_{sa}^{ik} + 1$

$j_{ik} \ j_\ \ j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j^{\ } \leq j_i \leq n \wedge$

$l_{ik} \ \ + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$D > \boldsymbol{n} < n$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-\ldots}^{l_s+j_{sa}^{ik}-l}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \ldots_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=l}^{} \sum_{(j_s=2)}^{(l_s-l+1)}
$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \quad 1)}{(j_s-2) \quad (n_i-n_{is} \quad 1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1 \quad 1)!}{(j_{ik}-j_s-1) \quad (n_{is}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} \quad \Bbbk_2 \quad 1)}{(j_i-j_{ik} \quad)! \cdot (n_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s \quad 1)!}{(n_s \quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j \quad \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - l_i\ )!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + l_s + s - \boldsymbol{n} - l_i + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s \ \ - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{s} \ \ < j_{sa}^{ik} - 1 \wedge$

$s \ \{j_{sa}^s, \cdots, \Bbbk_1 \ \ ^{ik}, \cdots, \Bbbk_2 \ \ ^i \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \ \ $

$\Bbbk_z : z = \ \ \wedge \Bbbk = \Bbbk_1 + \ \ \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge s = \Bbbk > \dots$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^{\dots} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \dots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2 j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \dots \Bbbk \wedge$

$\Bbbk_{\dots} = \dots \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)} \right.$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - \boldsymbol{l} - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l}_{ik} - \ldots - j_{sa}^{ik} + 1\right)!}{\left(\ldots + \boldsymbol{l}_{ik} - \ldots \right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l})!}{(\boldsymbol{n} - \boldsymbol{l}_i) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{s=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_i + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = \boldsymbol{l}_i + \boldsymbol{n} - D)}^{(\boldsymbol{l}_i - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \ )!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (\ n - j_i)!} \cdot$$

$$\sum_{k=l}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{-l_i + n + j_{sa} \ldots -s} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik} + 1)}^{(\ldots - l + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - l + 1}^{l_{ik} - l + 1} \sum$$

$$\sum \sum^{(n_i - j_s +}$$

$$\sum_{n + \mathbb{k}_2 - j_{ik}} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - \quad_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(\quad - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^{s}- \quad :ik - \Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1- \quad)!\cdot(\boldsymbol{n} \quad +j_{sa} \quad -j_{sa}^{ik})!}\cdot$$

$$\frac{-\boldsymbol{l}-1)!}{-j_s- \quad 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D \quad j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq \quad -\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s} \quad s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \quad j_i \quad -j_{sa}^{ik}+ \quad \wedge$

$j_{ik}=j_i+j_{sa}^{ik}- \quad$

$j_{ik}+ \quad -j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+ \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+ \quad {}_{sa}^{ik}-s = \boldsymbol{l_{ik}} \wedge$

$D+ \quad \boldsymbol{n} < \boldsymbol{l_i} \quad +\boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l} = \Bbbk > 0 \wedge$

$\quad \quad \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \sum_{k=\boldsymbol{l}}^{(l_i+\boldsymbol{n}-D-s)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ \ 1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{(\ _{ik}+j_{ik}\ _j-\Bbbk_2)}$$

$$\frac{(n_i-n_{\ \ }-1)!}{(j_s-2)!\cdot(\ \ -n_{\ \ }-j_s+1)!}\cdot$$

$$\frac{\ \ -n_{ik}\ \ \Bbbk_1-1)!}{(j_{ik}-j_s-1)\ \ (n_{is}+j_s\ \ n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ \ -\Bbbk_2-1)!}{(j_i-\ \ -1)!\cdot(\ \ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(l_s-\boldsymbol{l}+1)} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(l_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}^{ik}_{sa} + 1)!}$$

$$\frac{(\qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad i)!} -$$

$$\sum \sum^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)}_{\quad (\quad D - s + 1)}$$

$$\sum_{= j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{{}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{- \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$(\qquad n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$\qquad D > \boldsymbol{n} < n$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$2 \le \boldsymbol{l} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - \boldsymbol{l_i} - j_{sa}^{ik} + 1 \wedge$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \left(\sum_{k=l}^{(l_i + \boldsymbol{n} - D - s)} \sum_{(j_s = 2)} \right.
$$

$$
\sum_{j_{ik} = l_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.
$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ \ )!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \ \ 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s \ \ + 1)!} \cdot$$

$$\frac{(\ \ \boldsymbol{l_i})!}{\ \ \boldsymbol{n} - \ \ \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum \qquad \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}$$

$$\sum_{ik = j_s + j_{sa}^{ik} - 1} \quad \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \quad \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \quad \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=l}^{(l_i + \boldsymbol{n} - D - s)} \sum_{(j_s=2)}^{} \right.$$

$$\sum_{j_{ik}=l_s+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s-1} \sum_{}^{(\boldsymbol{l_{ik}}+s-j_{sa}^{ik}+1)}$$

$$\sum_{}^{(n_i-j_s+1)}$$

$$\sum_{n_{is}+}^{}\quad \sum_{}^{(n_{is}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}+\Bbbk_2-j_{ik}}^{n_{is}+j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \,)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \,- 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\,- j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=l}^{(l_i+n-D-s)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-l+1}\sum_{(j_i=l_{ik}+s-l-j_{sa}^{ik}+2)}^{(l_i-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ +1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}- _i-\Bbbk_2)}$$

$$\frac{(n_j-n\ -1)!}{(j_s-2)!\cdot(\ \ n\ j_s+1)!}\cdot$$

$$\frac{(\ _{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-\ -1)!\cdot(n\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_i+n-D-s+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-l+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\ }-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_{\ }-j_{i\ }-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ )!}{(n_s-j_i-\boldsymbol{n}-\ -j_i)!}\cdot$$

$$\frac{(\ -\boldsymbol{l}-1)!}{(\ -j_s-\ 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{(\ +\boldsymbol{l_{ik}}-j_{\ }-\ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right) -$$

$$\sum_{k=\boldsymbol{l}}^{l} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} -}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} -$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right.$

$s > 4 \wedge \boldsymbol{s} = s +$

$\Bbbk_{-} : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(l_s + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad \boldsymbol{l} - 1\quad)}{(\boldsymbol{l_s} - \quad - \boldsymbol{l} + 1)\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\quad} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad_{\quad})}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1)}^{(\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{+\, j_{sa}^{ik} - s}^{(l_s\ )} \sum_{(j_i = n + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i + \Bbbk}^{(\ j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(\ - n - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(n + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < \quad \wedge\ l \neq\ _il \wedge\ \quad \leq D - n + 1 \wedge$$

$$D + \quad + s - n \quad 1 \leq l \leq\ _il - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$\quad - \quad_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^{s}, \cdots, \Bbbk_{1}, j_{sa}^{ik}, \cdots, \Bbbk_{2}, j_{sa}^{i} \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_{z}: z = 2 \wedge \Bbbk = \Bbbk_{1} + \Bbbk_{2} \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)} \sum_{j_{sa}^{ik} - s}^{(l_{ik} + s -)} \sum_{(j_i = \boldsymbol{n} + s - D - j_{sa}^{ik})} \sum_{n_i}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\quad +1)} \sum_{n_{is} = \quad - j_{ik} - \Bbbk_1}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{ } \sum_{(n_s = \boldsymbol{n} - j_i + 1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$\sum_{k=l}^{(\ )} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_{ik}+n+s-D-j^{ik})}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ \ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s- \quad -j_a^{ik}-\Bbbk- \Bbbk_2\right)!}{(n_i-n-\Bbbk_1- \ )!\cdot\left(n\ -j_{ik}+j_{sa} - -j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\ -l-1)!}{(\ -j_s- +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D\ -j_i-n-l_i)!\cdot(n-j_i)!}$$

$$D\ge n<n\wedge l\ne \ _il\wedge l_s\le \ -n+1\wedge$$

$$2\le l\le D+l_s+s-n-l_i\wedge$$

$$1\le j\quad j_{ik}-j_{sa}^{ik}+ \quad \wedge$$

$$j_{ik}=j_i+j_{sa}^{ik}- \quad \wedge$$

$$j_{ik}+ \ -j_{sa}^{ik}\le j_i\le \quad \wedge$$

$$l_{ik}-j_{sa}^{ik}+ \ >l_s\wedge l_i+ \quad _{sa}^{ik}-s=l_{ik}\wedge$$

$$D+ \quad n<l_i \quad l_s+s-n-1\wedge$$

$$D\ge n< \quad l=\Bbbk>0\wedge$$

$$^{ik}<j^i \quad 1\wedge j_{sa}^s<j_{sa}^{ik}-1\wedge$$

$$s:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge \Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$
_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-\ )}^{(\ )}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}= \Bbbk -j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j}^{n_{iS}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+)}^{+j_{ik}-\Bbbk_2}
$$

$$
\frac{(-n_{iS} 1)!}{(j_s 2)! \cdot (n_i j_s+1)!} \cdot
$$

$$
\frac{ -n_{ik} \Bbbk_1-1)!}{(j_{ik}-j_s-1)! (n_{iS}+j_s n_{ik}-j_{ik}-\Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - \Bbbk_2-1)!}{(j_i-j 1)! \cdot (+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\ -1)!}{(\ -j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_s+j_{sa}^{ik}-\boldsymbol{l}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\boldsymbol{l}-1)!}{(\boldsymbol{l}_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq l \leq {}_i l - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - l + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \qquad {}^{ik}_{sa} + 1)!} \cdot$$

$$\frac{(D \qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad {}_i)!} -$$

$$\sum \qquad \sum_{(\qquad -j_{sa}^{ik}+1)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s} \qquad {}^{ik}-\boldsymbol{l}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\qquad \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$D > \boldsymbol{n} < n$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$= \sum^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_s}} \sum_{(=2)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1}\sum_{(j_i=\ \ +s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{\ \ \boldsymbol{n}+\Bbbk\ (n_{is}=\boldsymbol{n}\ \ +1)}^{\boldsymbol{n}\ \ (n_i\ \ +1)}$$

$$\sum_{n_{ik}\ \ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ \ (n_{ik}+j_{ik}-j_i-\Bbbk_2}\sum_{(\ \ -j_i+1)}$$

$$\frac{\ \ -n_{is}-1)!}{(\ \ -2)!\cdot(\ \ -n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-\ \ -\Bbbk_1-1)!}{(j_{ik}-\ \ -1)!\cdot(n\ \ +j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ _{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \ldots)! \cdot (\ldots - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \ldots \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j \ldots)}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - \ldots = \boldsymbol{l}_{ik} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq \ldots + \boldsymbol{l}_s + s - \boldsymbol{n} - \ldots \wedge$$

$$D \ldots \boldsymbol{n} < n \wedge \ldots = \Bbbk > 0 \ldots$$

$$j_{sa}^{ik} \ldots j_{sa}^i - 1 \wedge j_{sa}^s \ldots j_{sa}^{ik} - 1 \ldots$$

$$s : \left\{j_{sa}^s, \ldots \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2 \ldots j_{sa}^i\right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = \ldots \Bbbk \wedge$$

$$\Bbbk_2 \ldots = \ldots \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l}+1)} \sum_{(j_s=2)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ \ -j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ \ -j_{i}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s\ \Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\ \ n_s-j_i-\Bbbk_2)}\cdot$$

$$\frac{(n_s\ \ )}{(n_s\ \ j_i-\boldsymbol{n}\ \ -j_i)!}\cdot$$

$$\frac{(\ \ -\boldsymbol{l}-1)!}{(\ \ -j_s\ \ 1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\big(\boldsymbol{l_{ik}}-\ \ -j_{sa}^{ik}+1\big)!}{\big(\ \ +\boldsymbol{l_{ik}}\ \ \big)!\cdot\big(j_{ik}-j_s-j_{sa}^{ik}+1\big)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\ -$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{\big(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\big)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\ \sum_{\big(j_i=j_{ik}+s-j_{sa}^{ik}\big)}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\big(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\big)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\big(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}\big)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - l + 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik}}$$

$$\frac{(\boldsymbol{l_i})!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_i})! \quad - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_s^{ik}$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa} < j_{sa}^{ik} - 1 \wedge$$

$$s \quad (j_{sa}^{s}, \cdots, \Bbbk_1^{ik}, \cdots, \Bbbk_2^{i}) \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk$$

$$\Bbbk_z : z = \quad \wedge \Bbbk = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - \boldsymbol{l} + 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ldots - j_i - \boldsymbol{l_i})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ldots \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} \ldots 1 \wedge$$

$$1 \ldots j_s \leq j_{ik} \ldots_a^{ik} + 1 \wedge$$

$$j_{ik} \ldots j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s \ldots_a^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \ldots \boldsymbol{l} \ldots \boldsymbol{l} \ldots j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \ldots D \ldots_a^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \ldots I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa} - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s\,,j_{ik},j_i} = \sum_{k=l}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\sum_{(j_i=s+)}^{(l_s+s-l)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ +1}^{n_{is}+j_s-j_{ik}}\sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}-\ j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{\ }-1)!}{(j_s-2)!\cdot(\ n_{\ }\ j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-\ -1)!\cdot(n_{\ }+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=l}\sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\sum_{(j_i=l_s+s-l+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - \dots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \dots - 1)!}{(\dots - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\dots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \dots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j^s \Rightarrow j_s, j_{ik}, j_i = \sum_{k=l}^{} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s + j_{sa}^{ik} - l} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\cdots - \boldsymbol{l} + 1)} \quad \sum_{(j_s = \cdots)}^{}$$

$$\sum_{j_{ik} = \cdots_{sa}^{ik} - \boldsymbol{l} + 1}^{\cdots^{ik} - s + 1} \quad \sum_{(j_i = j_{ik} \cdots \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \quad \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{\cdots - j_{ik} - \Bbbk_1} \quad \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - \quad -\quad^{ik} - \Bbbk_{\quad} - \Bbbk_2\right)!}{(n_i - n - \Bbbk_1 - \quad)! \cdot (n \quad_{ik} + j_{sa} \quad - j_{sa}^{ik})!} \cdot$$

$$\frac{\quad - l - 1)!}{\quad - j_s - \quad 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D \quad j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq \quad - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{s\quad}^{ik} + 1 \wedge$

$j_{ik} = j_{\quad} + j^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq \quad < n \wedge$

$l_{ik} - {}^{ik} + 1 > l_s \wedge \quad j_{sa}^{ik} - \quad = l_{ik} \wedge$

$l_{ik} \leq D + \quad{}^{k} - n \wedge$

$D \geq \quad < n \wedge I \quad 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - \quad \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$({}_{\quad} \quad \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+)}^{}$$

$$\frac{(n_i - n_{\ } - 1)!}{(j_s - 2)! \cdot (\ -\ -j_s+1)!} \cdot$$

$$\frac{(\ - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - \ - \Bbbk_2 - 1)!}{(j_i - \ -1)! \cdot (n + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \;)}$$

$$\frac{(D - l_i}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l \neq \;_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + l_s + s - \boldsymbol{n} - l_i \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + \; - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{\;} < j_{sa}^{ik} - 1 \wedge$

$s_{\;}\{j_{sa}^s, \cdots, \Bbbk_{\;\;}^{ik}, \cdots, \Bbbk_{\;\;sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \;$

$\Bbbk_z : z = \; \wedge \Bbbk = \Bbbk_1 + \;\; \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_s+s-l)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \Bbbk_2)!}$$

$$\frac{(n_s - \ldots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \ldots - 1)!}{(\ldots - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{\;} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{\;} \sum_{(j_i=l_s+s-l+1)}^{(l_i-l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s + j_{sa}^{ik} + 1)!}$$

$$\frac{()!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (j_i)!} -$$

$$\sum \sum_{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-l_i} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-\boldsymbol{l})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{{}_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{ - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\boldsymbol{n} \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i \boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum_{\cdots, j_{ik}, j_i} \sum \sum_{(j_s=2)}^{(\boldsymbol{l_s} - \boldsymbol{l})}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \; -$$

$$\sum_{k=l}^{(\;)} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum^{(l_s + s -}_{(\;l_i + n - D)}$$

$$\sum_{=n+\Bbbk\,(n_{is} = n \;\; +1)}^{n \quad (n_{i} \;\; +1)}$$

$$\sum_{n_{ik} = n_{is} \;\; j_{ik} - \Bbbk_1}^{(\;)} \sum^{(\;\; -j_i - \Bbbk_2)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^{s} \;\; j_s - s \;\; j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n \;\; \Bbbk_1 - \Bbbk_2)! \cdot (\;\; + j_{ik} + j \;\; - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l \;\; j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l \neq \;\; \wedge l_s \leq D - n \;\; 1 \wedge$

$2 \;\; l \leq D + \;\; + s - n \;\; l_i \wedge$

$1 \leq \;\; j_s \leq j_{ik} - j_{sa}^{ik} \;\; 1 \wedge$

$j_{ik} = j_i \;\; j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \;\; j_i \leq n \;\;$

$l_i \;\; j_{sa}^{ik} \;\; 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + s - n \;\; l_i \leq D + l_s + s - n - 1 \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge s = s + \Bbbk \wedge$

714 $\quad D > \mathbf{n} < n$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+\mathbf{n}+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-l} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\mathbf{n}+}^{n} \sum^{(\quad j_s+1)}$$

$$\sum_{}^{n_{is}+j_s-j} \sum^{(n_{ik}+j_{ik}-j)}$$

$$\frac{(n_i - n_{is}}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - {}_{ik} - \mathbb{k}_1 \quad 1)!}{(j_{ik} \quad j_s - 1)! \cdot (n \quad + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{i} \quad s - \mathbb{k}_2 - 1)!}{(j \quad j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=l} \sum_{(j_s=2)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_i+j_{sa}^{ik}-l-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}-1)!}{(l-j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-l-j_{sa}^{ik}+1\right)!}{(l_i+\boldsymbol{l_{ik}}-l-j_{sa}^{ik})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{l}} \sum_{\left(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}}\right)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = \boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l} - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l}_i - \boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \quad)} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum \quad \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum^{\boldsymbol{l_s}}_{+ \boldsymbol{n} + j_{sa}^{ik} - D - s} \sum^{(\quad)}_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$\qquad D > \boldsymbol{n} < n$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$fz^{\cdots}_{\cdots, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{\cdots} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\cdots}^{j_{sa}^{ik}-\boldsymbol{l}-s+\cdots} \sum_{j_{sa}^{ik}-D-s}^{(\quad)} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=l}^{} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik} = \ldots + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - l - s + 1} \sum^{\ldots - l_{ik}}$$

$$\sum_{\ldots + \Bbbk}^{} \sum_{(n_{\ldots} - \ldots + \Bbbk - j_s + 1)}^{(n_i - j_s + \ldots)}$$

$$\sum_{n_{is} + \ldots j_{ik} - \Bbbk_1}^{} \sum_{(n_{ik} \ldots - j_i - \Bbbk_2)}^{}$$

$$\sum_{n_{\ldots} + \Bbbk_2 - j_{ik}}^{} \sum_{(n_s = n - j_i + 1)}^{}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \ldots)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=l}^{} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - l + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa} - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} j_{sa}^s - j_s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - \boldsymbol{l} +)! \cdot (j_s - 2)!}$$

$$\frac{(D -)!}{(D + j_s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l}$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + - j_{sa}^{ik} \leq j_i \leq \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \wedge \boldsymbol{l_i} + j^{k} - s = \boldsymbol{l} \wedge$

$D + - \boldsymbol{n} < \boldsymbol{l_i} \leq D \boldsymbol{l_s} + s - 1 \wedge$

$\geq \boldsymbol{n} < \wedge I = \Bbbk >$

$j_{sa}^{ik} < {}^i - 1 / _{sa} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$> 4 \wedge s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(l_s-\boldsymbol{l}+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-l-s+1} \quad \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \quad \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\ \ -1)}{(j_s-2)\ \cdot\ (n_i-n_{is}\ \ +1)!}\ \cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk\ \ 1)!}{(j_{ik}-j_s-1)\ \cdot\ (n_i-n_{is}-j_{ik}-\Bbbk_1)!}\ \cdot$$

$$\frac{(n_{ik}\ \ -\Bbbk_2-1)}{(j_i-j_{ik}\ )!\ \cdot\ (n_{ik}-n_s-j_i-\Bbbk_2)!}\ \cdot$$

$$\frac{(n_s-1)!}{(n_s\ \ j_i-n-1)!\ \cdot\ (n-j_i)!}\ \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\ \cdot\ (j_s-2)!}\ \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j\ \ l_{ik}-j_{ik}-l_s)!\ \cdot\ (j_{ik}-j_s-j_{sa}^{ik}+1)!}\ \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\ \cdot\ (n-j_i)!}\ -$$

$$\sum_{k=l}^{(l_s-l+1)} \quad \sum_{(j_s=l_i+n-D-s+1)}^{}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \quad \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \quad \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \quad \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \,\,)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - \,\,\wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right.$

$s > 4 \wedge \boldsymbol{s} = s + \,\,\wedge$

$\Bbbk_{\,\,}: z = 2 \wedge \,\, = \Bbbk_1 + \,\, \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(j_{ik} - j_{sa}^{ik} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_s} + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \text{...})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\text{...}\, \boldsymbol{l} - 1 \text{...})!}{(\boldsymbol{l}_s - \text{...} - \boldsymbol{l} + 1 \text{...} - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{s\text{...}} + 1)!}{(j_s + \boldsymbol{l}_{ik} - \text{...})! \cdot (j_{ik} - \text{...} - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \text{...})!}{(D + j_i \text{...} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l}_{ik} - \boldsymbol{l}_i}^{(\boldsymbol{l}_{ik} + s - \boldsymbol{l} - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l}_s + s - \boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}$$

$$\sum_{i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_s})} \sum_{(j_i = \boldsymbol{n}+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i \cdots +\Bbbk}^{(\cdots _s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk - j_s+1)}$$

$$\sum_{=n_{is}+j\cdots_{k}-\Bbbk_1}^{(\ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{\left(n_i + j\cdots + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{- \boldsymbol{n} - \Bbbk_1 \cdots \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \cdots \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \cdots \leq D - \boldsymbol{n} + 1 \wedge$

$D + \cdots + s - \boldsymbol{n} \cdots + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{\cdots} - j_{sa}^{ik} + 1 \wedge$

$\cdots - j\cdots_{sa}^{k} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{\Rightarrow j_s,\, j_{ik},\, j_i} = \sum_{k=l}^{} \sum_{j_s=2}^{(l_s-l+1)}
\sum_{l_{ik}-l_i}^{(l_{ik}+s-\cdots)} \sum_{(j_i=\cdots\,\boldsymbol{n}+s-D-j_{sa}^{ik})}^{}
\sum_{n_i\cdots\Bbbk}^{(\cdots\,i+1)}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{}
\sum_{n_{is}=\cdots-j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{}_{\;n_{ik}=\cdots\Bbbk_2-j_{ik}+1}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\boldsymbol{l}}^{(\ )} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_s} + s - \boldsymbol{l})} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk}^{(\ )} \sum_{= n_{ik} + j_{ik} - j_i -}^{(\ )}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - \qquad j^{ik} - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \quad)! \cdot (\boldsymbol{n} \quad j_{ik} + j_{sa} \quad - j_{sa}^{ik})!} \cdot$$

$$\frac{(\quad \boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \quad - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \quad j_{ik} - j_{sa}^{ik} + \quad \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - \quad \wedge$$

$$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad ^{ik}_{sa} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + \quad \boldsymbol{n} < \boldsymbol{l_i} \quad \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < \quad \quad J = \Bbbk > 0 \wedge$$

$$^{ik} \quad j^i \quad \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \sum_{k=l}^{(j_{ik}-j_{sa}^{ik}+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-l}\;\sum_{(j_i=j_{ik}+l_i-l)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n}\;\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j\ldots+1}^{n_{is}+j_s-j_{ik}\ldots+j_{ik}\ldots-\Bbbk_2)}\;\sum_{(n_s=n-j_i+\ldots)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)!\cdot(n_i - n_{is} - j_s + 1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik} - \ldots - \Bbbk_2 - 1)!}{(j_i - \ldots - 1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)!\cdot(n - j_i)!}\cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)!\cdot(j_s - 2)!}\cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)!\cdot(j_{ik} - j_s - j_{sa}^{ik} + 1)!}\cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)!\cdot(n - j_i)!} +$$

$$\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=2)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-l+1}^{l_{ik}-l+1}\;\sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n}\;\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \ldots - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - \ldots j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + \ldots - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{l}} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_s - \boldsymbol{l} - 1)!}{(l_s - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$D + l_s + s - n - l_i + 1 \leq l \leq {}_i l - 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_{ik} - l + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \qquad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad{}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{\boldsymbol{l_s}}^{ik-l} \sum_{(\quad)}^{(\quad)} \cdots {}_{sa}^{ik}+1)$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(\quad_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\quad - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad \wedge \boldsymbol{l} \neq {}_i \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$= \sum \sum_{(=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_s)}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l}+1} \sum_{(j_i = j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{()}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i = \ldots_{k} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{\ldots \boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}\ldots +1)}^{n} \sum^{(n_i\ldots +1)}$$

$$\sum_{n_{ik}\ldots +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ldots} \sum_{(\ldots\ldots j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2\ldots)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n \ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ \ )} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2\right)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(\boldsymbol{l}_s - \boldsymbol{l} - 1)!}{(\boldsymbol{l}_s - j_s - \boldsymbol{l})! \cdot (\boldsymbol{l} - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}_s + s - \boldsymbol{n} - \boldsymbol{l}_i + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq {} + \boldsymbol{l}_s + s - \boldsymbol{n} - {} \wedge$

$D \cdot \boldsymbol{n} < n \wedge \Bbbk > 0$

$j_{sa} < j_{sa}^i - 1 \wedge j_{sa}^s \quad j_{sa}^{ik} - 1$

${}:\{j_{sa}^s, \quad \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2 \quad {}_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \quad \Bbbk \wedge$

$\Bbbk_2 \quad = \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l}_s - \boldsymbol{l} + 1)} \sum_{(j_s=2)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l - l - 1)!}{(l - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} + 1\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=l}^{} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(l_s-l+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=\,_i l}^{(\quad)} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s)}^{(l_i -\,_i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}\,(n_{ik}}^{n} \sum_{}^{(\ )} \sum_{n_s = }^{}$$

$$\frac{+ j_{ik} + j_s - j_s - s - j_{sa}^{ik} - \mathbb{k}_1 - \mathbb{k}_2)!}{(n_i - \boldsymbol{n} - \mathbb{k}_1 - \mathbb{k}_2)! \cdot (\ + j_{ik} + \ - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =\,_i\boldsymbol{l} \wedge\ \leq D - \boldsymbol{n} + 1\ \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1\ \wedge$

$j_{ik} = \ + j_{sa}^{ik} - s\ \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq\ \leq \boldsymbol{n}\ \wedge$

$\boldsymbol{l_{ik}}\,^{ik} + 1 > \boldsymbol{l_s} \wedge\ + j_{sa}^{ik} - \ \boldsymbol{l_{ik}}\ \wedge$

$\ \leq D + \ - \boldsymbol{n}) \vee$

$(D \geq\ < n \wedge\ \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n}\ \wedge$

$1 \leq j_s \leq j\ - j_{sa}^{ik} + 1\ \wedge$

$\ = j_{\ }\,_{sa}^{ik} - s\ \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =\,_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1\ \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1\ \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f_{z \ldots, j_{ik}, j_i} \left(\sum_{k= \, _i l}^{\binom{\ \ }{\ \ }} \sum_{(j_s=1)} \right.$$

$$\sum_{j_{ik}+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{\left(\, _{ik}+s- \, _i l-j_{sa}^{ik}+1 \right)}$$

$$\sum_{n_i= \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}= \boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s= \boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k= \, _i l}^{\binom{\ \ }{\ \ }} \sum_{(j_s=1)} \right.$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik}+1)}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}\dots\Bbbk_1+1)}$$

$$\frac{(n_{ik}-n_s-\dots-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\dots\Bbbk_2)!}\cdot$$

$$\frac{\dots-1)!}{\dots+j_i-\boldsymbol{n}\dots1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{\dots_{ik}-l_s\dots)!}{\dots_{ik}-j_{ik}\dots l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(l_i\dots j_{sa}^{ik}-l_{ik}\dots s)!}{\dots+l_i-j_i-\dots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\left.\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}\right)-$$

$$\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot(\boldsymbol{n}+j_{ik}+j_{sa}^{s}-j_s-s-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{k=\,_i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{k=j_{sa}^{ik}}^{j_{sa}^{ik} - \,_i l - s} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2 - j_{ik}+1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_{i\ldots}}$$

$$\frac{(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s \ldots s - j_{sa}^{ik}\right)} \cdot$$

$$\frac{(D - l_i \ldots}{(D + s - \ldots \ldots)!\, \ldots \boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_{ik} \ldots - \boldsymbol{n} - j_{sa\ldots} \wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq \ldots - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{s\ldots} \ldots 1 \wedge$

$j_{\ldots} = j_i + j_{s\ldots} \ldots s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_{i\ldots} \boldsymbol{n} \wedge$

$\boldsymbol{l}_i - s \ldots 1 > \boldsymbol{l}_s \wedge$

$D + s - \boldsymbol{n} < \ldots \leq D + \ldots_k + s - \boldsymbol{n} - j_{sa}^{ik})\Big) \wedge$

$D \ldots \boldsymbol{n} < \ldots \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i \ldots \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s,\,j_{ik},\,j_i} = \left(\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\;)} \right.
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_i l+1} \sum_{(j_i=j_{ik}+s-\,)}^{(\;)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{ik} - \Bbbk_1 \; \; 1)!}{(j_{ik}-2)! \cdot (n_i \; \; _{ik}-j_{ik}-\Bbbk_1 \; \; 1)!} \cdot
$$

$$
\frac{(\; \; - n_s - \Bbbk_2 \; \; 1)!}{(\; \; -j_{ik}-1) \; \; (n_{ik} \; \; -n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i \; \; \boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\; \; -\boldsymbol{l}_s - j_{sa}^{ik}+1)!}{(\boldsymbol{l}_{ik}-j_i \; \; \boldsymbol{l}_s+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot
$$

$$
\left. \frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\;)} \right.
$$

$$
\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-\,_i l+1} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{\left(l_i-\,_i l+1\right)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \, (n_{ik}}^{n} \sum_{-j_{ik} - \Bbbk_1}^{} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{\left(n_i + \_ + j_{sa}^s - j_s - \_ j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{\left(\_ - \Bbbk_1 - \_\right)! \cdot \left(\boldsymbol{n} + \_ + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \_ \boldsymbol{l} \wedge l_s \leq D - \boldsymbol{n} \_ 1 \wedge$

$1 \_ j_s \leq j_{ik} \_ j_{ca}^{ik} + 1 \_$

$j_{ik} = j_i + j_{sa}^{ik} - s \_$

$j_{ik} + s \_ j_{ca}^{ik} \leq j_i \leq \boldsymbol{n} \_$

$l_{ik} - j_{sa}^{ik} + 1 \_ l_s \wedge l \_ j_{sa}^{ik} - s = l_{ik} \wedge$

$D \_ s \_ < l_i \leq D + l_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \_ I = \Bbbk > 0 \wedge$

$j_{sa} \_ j_{sa} - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i} = \sum_{k=\,_il} \sum_{(j_s=1)}^{(\,)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+\boldsymbol{n})}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\,-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1-1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(\,-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\,-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_i-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\,)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\,)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}-\Bbbk_1-\Bbbk_2\right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+s-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge l = \,_il \wedge l_s \leq D-\boldsymbol{n}+1 \wedge$$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \,\wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \,\wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \,\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \,\wedge\, \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \,\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \,\wedge$

$D \geq \boldsymbol{n} < n \,\wedge\, I = \Bbbk > 0 \,\wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \,\wedge\, j_{sa}^{s} < j_{sa}^{ik} - 1 \,\wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \,\wedge$

$s > 4 \,\wedge\, \boldsymbol{s} = s + \Bbbk \,\wedge$

$\Bbbk_z\colon z = 2 \,\wedge\, \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{\Rightarrow j_s}{}^{j_i} = \sum_{k = {}_i l}^{(\ )} \sum_{(j_s = 1)}^{(\ )}
$$

$$
\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} + {}_i l - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}
$$

$$
\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik} \right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -
$$

$$\sum_{k=\ _il}^{}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{}\sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}\ -j_i-\Bbbk_2}^{}$$

$$\frac{\left(n_i+j_{ik}+j_{sa}^s-j_s-s-j_{sa}^{ik}\ -\Bbbk\ \right)!}{(n_i-\boldsymbol{n}-\Bbbk_1-\Bbbk_2)!\cdot\left(\boldsymbol{n}+j_{ik}\ +j_{sa}^s-j_s-s\ +j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\ -l_i)!}{(D\ -\boldsymbol{n}-\ )!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}=\ _il\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+\ \wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge$

$j_{ik}=j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}\ =\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\ \ D+\boldsymbol{l_s}+s-\boldsymbol{n}\ 1\wedge$

$D\geq\boldsymbol{n}<n\ \ \boldsymbol{l}=\Bbbk\ \ \wedge$

$j_{sa}^{ik}<j_{sa}^i-1\wedge j_s\ <j_{sa}^{ik}-\ \wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\ \Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk\ j_{sa}^i\right\}\wedge$

$s>4\wedge\boldsymbol{s}=\ +\Bbbk\wedge$

$\Bbbk_z\ \ \wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$_{fz}S_{\Rightarrow j_s,j_{ik},j_i}=\sum_{k=\ _il}^{}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{\left(\boldsymbol{l_{ik}}+s-\ _il-j_{sa}^{ik}+1\right)}$$

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$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(l_{ik} - l_s - j_{sa})!}{(l_{ik} - j_{ik} - \ldots + 1)! \cdot (j_{ik} - \ldots)!}$$

$$\frac{(D - \ldots)!}{(D \ldots j_i - \ldots 1)! \cdot (\ldots - j_i)!} -$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{_i=\boldsymbol{n}+\Bbbk}^{(\ )} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(\ldots_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(\ldots - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot (\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \ldots \boldsymbol{n} \ldots \wedge \boldsymbol{l} = \,_i l \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j \ldots - j_{sa}^{ik} + 1 \wedge$

$j_{ik} - j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=\boldsymbol{l}_{ik}+\boldsymbol{n}-}^{l_{ik} \quad l+1} \sum_{=j_{ik}+s-j_{sa}^{ik}}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ _{ik}-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2 \quad +1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i \quad n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (n \quad - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\quad n_s - \Bbbk_2 - 1)!}{(j_i \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(\boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s + 1)! \cdot (j_{ik} - j_s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k= \ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$${}_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k = {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = s)}^{\left(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=_il}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}}\sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=n+\Bbbk\,(n_{ik}-\;j_{ik})}^{n}\sum^{(\;)}\sum_{n_s=\;j_{ik}-j_i-\Bbbk_2}$$

$$\frac{+ j_{ik} + j_s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2)!}{(n_i - n - \Bbbk_1 - \Bbbk_2)! \cdot (n + j_{ik} + j_s - j_s - s - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_il \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = {}_i + j_{sa}^{ik} - s \wedge$

$j \quad + s - j_{sa}^{ik} \quad j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \quad j_{sa}^{ik} + 1 > \boldsymbol{l_s} \quad + j_{sa}^{ik} \quad l_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D \quad j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge \quad \Bbbk \quad \wedge$

$j_{sa}^{i} \quad j_{sa}^{i} \quad 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots \quad , j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k=_il}\sum_{(j_s=1)}^{(\;)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_i}+j_{sa}^{ik}-\,_i\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} \quad \Bbbk_1 + 1)} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} \quad \Bbbk_2)!} \cdot$$

$$\frac{(\quad n_s - 1)!}{(n_s + j_i - 1)! \cdot (\boldsymbol{n} - j_{i})} \cdot$$

$$\frac{(l_{ik} - \quad^{ik} \quad)!}{(l_{ik} - j_{ik} \quad l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(\quad \boldsymbol{l_i})!}{(D+\quad -\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^{s} - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1 \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s \cdots j_i} = \sum_{k=\, _il}^{(\quad)} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=\,l_{ik}-l_i}^{(\, _il+1)} \sum_{(j_i=l_i+n-D)}^{}$$

$$\sum_{n_i\cdots+\Bbbk}^{n} \sum_{(n_{ik}\cdots-\Bbbk_2-j_{ik}+1)}^{(n\cdots_{ik}-\Bbbk_1+1)} \sum_{n_s=n-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\cdots_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\cdots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \, -$$

$$\sum_{k=\, _il}^{(\quad)} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} -)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$

$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{s} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z \quad 2 \wedge \Bbbk = \Bbbk_1 \quad \Bbbk_2 \Rightarrow$

$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k= \ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_i+j_{sa}^{ik}- \ _i\boldsymbol{l}-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \quad}$$

$$\sum_{k=\quad}^{(\quad)} \sum_{(j_s=1)}^{\quad}$$

$$\sum_{i_{ik}=j_{sa}^{ik}}^{(\quad)} \sum_{(j_i=s)}^{\quad}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk \,(n_i\quad -j_{ik}-\Bbbk_1\quad)}^{n} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{\quad}$$

$$\frac{\left(n_i \quad + j_{sa}^s - j_s - \quad - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n \quad - \boldsymbol{n} - \Bbbk_1 \quad \Bbbk_2)! \cdot \left(\boldsymbol{n} + \quad + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \quad \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \quad 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + \quad$

$j_{ik} = j_i + j_{sa}^{ik} - \quad$

$j_{ik} + \quad j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \quad$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad \geq \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + \quad \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l} = \Bbbk > 0 \wedge$

$j_s \quad 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

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$$_{fz}S_{\Rightarrow j_s, j_{ik}, j_i} = \sum_{k= {}_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l}_{ik}-\boldsymbol{l}_i} \sum_{(j_i=\boldsymbol{l}_{ik}+\boldsymbol{n}+s-D-)}^{\left(\boldsymbol{l}_{ik}+s-{}_i\boldsymbol{l}-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s- j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 \quad)!}{(j_{ik}-2)! \cdot (n_i \quad - j_{ik} - \Bbbk_1 \quad 1)!} \cdot$$

$$\frac{(\quad n_s - \Bbbk_2 \quad 1)!}{(-j_{ik}-1) \quad (n_{ik} \quad - n_s \quad j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i \quad n - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(\boldsymbol{l}_{ik} - j_{i} \quad - \boldsymbol{l}_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k= {}_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} - \Bbbk_1 - \Bbbk_2\right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq n < n \wedge \boldsymbol{l} = {}_i \boldsymbol{l} \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge$$

$$j_{ik} = j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{\Rightarrow j_s} \quad j_i = \sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{-\,_il+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1 \right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\,)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\,)}^{(\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\,)} \sum_{n_s=n_{ik}\ -j_i-\Bbbk_2}$$

$$\frac{\left(n_i + j_{ik} + j_{sa}^s - j_s - s - j_{sa}^{ik} \ - \Bbbk \ \right)!}{(n_i - \boldsymbol{n} - \Bbbk_1 - \Bbbk_2)! \cdot \left(\boldsymbol{n} + j_{ik} \ j_{sa}^s - j_s - s \ _{sa}^{ik}\right)!} \cdot$$

$$\frac{(\ -\boldsymbol{l}_i)!}{(\ -\boldsymbol{n}-)! \cdot (\boldsymbol{n}-s)!}$$

DİZİN

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 hariç dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı tek kalan düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durum bağlı tek kalan 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 hariç dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk herhangi bir ve son durumun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı tek kalan 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. Eşitliklerin tamamının üretilmesinde de kaynak kullanılmamıştır.