VDOİHİ

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

Cilt 2.3.1.3.6.1.1.12

İsmail YILMAZ

2023

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre toplam düzgün olmayan simetrik olasılık Cilt 2.3.1.3.6.1.1.12

İsmail YILMAZ

Türkiye Cumhuriyeti Devleti
Kuruluşunun
100. Yılı Anısına

d

Yazar Hakkında

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

VDOİHİ

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

VDOİHİ'de Olasılık;

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

- ✓ Dillerin matematik yapısı olduğu gösterilmiştir.

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

- ✓ Teorik kabullerle genetikle ilişkilendirilmiştir.

- ✓ Bilgi merkezli değerlendirme yöntemidir.

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

f

İÇİNDEKİLER

g

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

ι: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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$_{fz,0}S_{j_s,j_{ik},j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre simetrik olasılık

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simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre simetrik olasılık

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$_{fz}S_{j_i}^{DSD}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu

simetrinin son durumunun bulunabileceği olaylara göre toplam düzgün simetrik olasılık

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bulunabileceği olaylara göre toplam düzgün olmayan simetrik olasılık

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$_{fz,0}S_{\Rightarrow j_s,j_{ik},j^{sa},j_i}^{DOSD}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı toplam düzgün olmayan simetrik olasılık

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

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bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı toplam düzgün olmayan simetrik olasılık

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E2

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

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

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilen dağılımlara ve bir bağımlı olasılıklı dağılımların kendi olay sayısından (bağımlı olay sayısı) büyük olaylara (bağımsız olay sayısı) dağılımıyla bağımlı ve bir bağımsız olasılık dağılımlar elde edilir. Bağımlı dağılım farklı dizilimsiz dağılımdan oluştuğunda, bu dağılımlara bağımlı ve bir bağımsız olasılık farklı dizilimsiz dağılımlar denir. Bağımlı ve bir bağımsız olasılıklı dağılımlar; bağımlı dağılımlara, bağımsız durumlar ilk olaydan dağıtılmaya başlanarak tabloları elde edilir. Bu bölümde verilen eşitlikler, bu yöntemle elde edilen kurallı tablolara göre verilmektedir. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralamasıyla elde edilebilen kurallı tablolar kullanılmaktadır. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralama için verilen eşitliklerde kullanılan durum 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 VDC II 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 eşitlik kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetrinin durumlarının bağımlı olasılık farklı dizilimsiz dağılımlarındaki sırasına göre verilen eşitliklerdeki toplam alt ve üst 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 ette bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda, simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre toplam düzgün olmayan simetrik eşitlikleri verilmektedir.

SİMETRİDEN SEÇİLEN ÜÇ DURUMA GÖRE TOPLAM DÜZGÜN OLMAYAN SİMETRİK OLASILIK

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

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

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

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

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

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

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

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

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

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

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

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

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

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = 0$$

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

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

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

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

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

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

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

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

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

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

$$
{}_{fz}S^{DOSD}_{j_s,\,j_{ik},\,j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i\;-s-I)!}{(n_i\;\;)\;(\boldsymbol{n}-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

$$\Bbbk_{\;}\colon z = 2\;\;\Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\cdots k - 1)}{(\boldsymbol{l_s} - \cdots - k + 1)! \cdots - 2)!} \cdot$$

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

$$f z \quad \cdots = \sum_{j_{ik}}^{D} \sum_{(j_{ik} - j_{sa}^{ik} + 1)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=l_s+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D)} \sum_{(j_{ik}+j_{sa}^{ik}-1)}^{(k+1)} \sum_{(j_i=l_i-D)}^{} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{}^{(n_i-j_s+1)} \sum_{(n_{s}=\boldsymbol{n}-j_i+1)}^{j_s+1}
$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{=j_i + j_{sa}^{ik} - s} \sum^{(l_i - k + 1)}_{(j_i = \boldsymbol{l_s} + s - k + 1)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

$$D \geq \boldsymbol{n} < n \quad \boldsymbol{k} = \Bbbk \geq \quad \wedge$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\quad k - 1}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \land$$

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

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

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

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

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

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

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

$$\mathbb{P}^{SD} = \sum^{n+1 \ (l_i + \boldsymbol{n} - D - \ldots)} \sum_{(l_s + \boldsymbol{n} - D)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)\cdot(\boldsymbol{n}-s}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{k=}^{D + \boldsymbol{l_s} + s - } \sum_{(\quad \geq j_{sa}^{ik} + 1)}^{(\quad)}$$

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

$D > \boldsymbol{n} < n$

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

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

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

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

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(l_s+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik})} \sum_{j_{ik}=\boldsymbol{n}-D}^{l_s+j^{ik}} \sum_{(j_i=j_{ik}+s)}^{} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is})}^{(n_i-j_s+1)} \sum_{n_{ik}=\boldsymbol{n}-j_{ik}+1}^{n_{is}+j_s-j} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i \cdots - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

$D \geq \boldsymbol{n} < n \cdots \Bbbk = \Bbbk \geq \cdots \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{n_{ik} = n_{is} + j_{ik} - k_1}^{} \sum_{(n_{ik} + j_{ik} - j_i - k_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

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

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

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

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

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

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

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

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

$s: \left\{ j_{sa}^s, k_1, j_{sa}^{ik}, k_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge s = s + k \wedge$

$k_z : z = 2 \wedge k = k_1 + k_2 \Rightarrow$

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

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\pmb{n}+1} \sum_{(j_s=\pmb{l_s}+\pmb{n}-D)}^{(\pmb{l_i}+\pmb{n}-D-s)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{k=\,_i l}^{(\quad)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}}^{(\,_i l+1)} \sum$$

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

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

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

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

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

$\boldsymbol{l_i}\leq D+s\ \ \boldsymbol{n}\wedge$

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

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

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

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

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

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

$$_{fz}S^{DOSD}_{j_s,\,j_{ik},j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j^{ik}_{sa}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j_i+j^{ik}_{sa}-s} \sum_{(j_i=s)}^{(\boldsymbol{l_s}+s-k)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

$$\sum_{k = \;{}_i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\;)}$$

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

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum \sum_{(j_s = 1)}^{(\quad)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ \ )}$$

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

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

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

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

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

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

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

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

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

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

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

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{{}_i l - 1} \sum^{(\;)}
$$

$$
\sum_{=j_{sa}^{ik}+1}^{{}_{sa}^{ik}-k} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\;)}
$$

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

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

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

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

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

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

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

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

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

$$\sum_{k=\;_i l}\sum_{(j_s=1)}^{(\;\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\;\;)}^{\left(l_i-\;_i l+1\right)}$$

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

$$\frac{(n_i-n_{ik}\;\;)!}{(j_{ik}-2)!\cdots-n_{ik}-j_{ik}\;\;1)!}\cdot$$

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

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

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

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

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

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

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

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

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

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

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

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

$$\sum_{k=\,_i l}^{(\;)} \sum_{(j_s=\,)}^{(\;)}$$

$$\sum_{j_{sa}^{i}}^{} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{ik}\;\;\;-j_{i}\;\;\;+1)}^{n} \sum_{}^{(\;)} \sum_{n_s=\;\;+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i - \;\;\;)!}{(n_{\;}\;\boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \;\;\;_{ik} - 1 \leq j_{ik} \;\;\;+ j_{sa}^{ik} - s \wedge$$

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

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

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}\;\;$$

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

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

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

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

$$\;\;\;\wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{\left(\boldsymbol{l_{ik}} - k - j_{sa}^{ik} + 2\right)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

$$\sum_{k = _i \boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\ )}$$

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

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

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

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

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

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

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

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

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

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

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

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

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

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

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

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \,(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i \quad k - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+?-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ -s-\ )!}{(\ -\boldsymbol{n}-1)!\cdot(\ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\ k-1)!}{(\ i-k+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ )!}{(D+j_i\ \boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\ i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\ \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$\ -j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{{}_i l - 1} \sum_{(l_{ik} + s - k - j_s + 1)}^{j_i + n - s} \sum_{(n_i = \boldsymbol{l}_i + \boldsymbol{n} - D)}^{}
$$

$$
\sum_{n_i = }^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{} \sum_{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n-k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{+j_{ik}-\Bbbk_2}$$

$$\frac{(n-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(\quad-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k={}_il}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=l_i+n-D)}^{(l_i-{}_il+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-\ )!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\ (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}\ +j_{sa}^{ik}-\boldsymbol{l_{ik}}\ )}{(\boldsymbol{l_i}+j_{sa}^{ik}-\ -\boldsymbol{l_{ik}})! \cdot (j_i\ )!} \cdot$$

$$\frac{(D-\ )!}{(D\ j_i-\ )!\ (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\ s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$$

$$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2 \cdots \sum_{j_{ik} = j_{sa}^{ik} + 1}^{(\ )} \cdots$$

$$\sum^{+ j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i = \ \ +s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\ \ =\boldsymbol{n}+\Bbbk \ (n_{is}=\boldsymbol{n}+\Bbbk - \ \ 1)}^{(n_i \ +1)}$$

$$\sum_{n_{ik}= \ \Bbbk_2 - j_{ik}+1}^{\ \ +j_s - j_{ik} - \Bbbk_1 \ (n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(\ \ j_i + 1)}^{(\ \ j_i +1)}$$

$$\frac{(\ \ - n_{is} - 1)!}{(j \ -2)! \cdot (\ \ - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ - n_{ik} - 1)!}{(j_{\ } - j_s - 1 \ ) \ (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \ {}_i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-!}$$

$$\frac{(n_s-1)}{(n_s+j_i-\boldsymbol{n}-1)! \cdot \boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}j_{sa}^{ik}-\boldsymbol{l_{ik}}}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})! \cdot (j_i}\cdot$$

$$\frac{(D-)}{(D+j_i-1)!\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2 \dots_{lik} = \sum \cdots \sum_{(\dots j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\dots-D-s-1} \sum_{(j_i = \boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{_{i}l-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_{ik} - k + 1} \sum_{(j_i = \quad + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{}^{n} \sum_{(n_{is} = n + \Bbbk \quad 1)}^{(n_i \quad + 1)}$$

$$\sum_{n_{ik} = \quad \Bbbk_2 - j_{ik} + }^{n_{is} + j_s - j_{ik} - \Bbbk} \sum_{}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(\quad - n_{is} - 1)!}{(\quad 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \quad - n_{ik} - 1)!}{(\quad - j_s - 1) \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k = \,_{i}l}^{} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(l_i - \,_{i}l + 1)} \sum_{(j_i = l_i + n - D)}^{}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \;)!}$$

$$\frac{(n_s - 1 \;)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l} \; + j_{sa}^{ik} - \boldsymbol{l_{ik}} \quad)}{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}})! \cdot (j_i \quad)!} \cdot$$

$$\frac{(D - \quad)!}{(D \quad j_i - \quad)! \; (\; \boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\quad s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}\quad k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2(\ldots, j_{ik}) = \sum \sum_{(\ldots = j_{sa}^{ik}+1)}$$

$$\sum_{k = j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\ldots-D-s-1} \sum_{(j_i = \boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \ +s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum \sum^{(n_i \ +1)}$$

$$\sum_{\ +\Bbbk\ (n_{is} = \boldsymbol{n} + \Bbbk - \ 1)}$$

$$\ + j_s - j_{ik} - \Bbbk_1 \quad \ n_{ik} + j_{ik} - j_i - \Bbbk_2)$$

$$\sum_{n_{ik} = \ \Bbbk_2 - j_{ik}+1} \sum^{(\ _i + 1)}$$

$$\frac{(\ - n_{is} - 1)!}{(j_s \ 2)! \cdot (n\ - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n\ - n_{ik} - 1)!}{(j_{\ } - j_s - 1\ (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \ {}_i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \ {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\quad)!}$$

$$\frac{(n_s-1)}{(n_s+j_i-\boldsymbol{n}-1)!\quad(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})}{(\boldsymbol{l}_i+j_{sa}^{ik}\quad-\boldsymbol{l}_{ik})!\cdot(j_i\quad)!}\cdot$$

$$\frac{(D-\quad)!}{(D\quad j_i-\quad)!\quad(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\quad s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s\quad a-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\eta \dot{j}_{js}^{aSD} = \sum_{=1}^{l-1} \sum_{(\cdot=2)}^{(l_i + \boldsymbol{n} - D - \cdot)}$$

$$\sum_{j_{ik} = j_s + j_{sa} - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s \right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=\ \ +s-j_{sa}^{ik})}$$

$$\sum_{n} \sum^{(n_i\ \ +1)}$$

$$\sum_{\boldsymbol{n}+\Bbbk (n_{is}=\boldsymbol{n}+\ \ +1)}$$

$$\sum_{n_{ik}}^{n_{is}+j_s-j_{ik}-\ } \sum^{(n_{ik}+j_{ik}-j_i-\Bbbk_2\ )} {}_{(\ +\Bbbk_2-j_{ik}\ \ \ j_i+1)}$$

$$\frac{\ \ -n_{is}-1)!}{(\ \ -2)!\cdot(\ \ -n_{is}-j_s+1)!} \cdot$$

$$\frac{(n\ \ -n_{ik}-1)!}{(\ \ -j_s-1)\ (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-\ _i\boldsymbol{l}+1)} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \,)!}$$

$$\frac{(n_s - 1\,)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l}_{\,} + j_{sa}^{ik} - \boldsymbol{l}_{ik})}{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik})! \cdot (j_i \quad)!} \cdot$$

$$\frac{(D - \,)!}{(D - j_i - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+\,-l_i} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$P_{js}^{sD} = \sum^{l-1}_{1} \sum^{(l_i + \boldsymbol{n} - D - s)}_{(\cdots = 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum^{(l_i - k + 1)}_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum^{n}_{n_i = \boldsymbol{n} + \mathbb{k}} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}$$

$$\sum^{n_{is} + j_s - j_{ik} - \mathbb{k}_1}_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1} \sum^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = +s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum^{n} \sum^{(n_i +1)}_{\boldsymbol{n} + \Bbbk \, (n_{is} = \boldsymbol{n} + +1)}$$

$$\sum_{n_{ik} = \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} -} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2}_{j_i + 1)}$$

$$\frac{- n_{is} - 1)!}{(- 2)! \cdot (- n_{is} - j_s + 1)!}$$

$$\frac{(n - n_{ik} - 1)!}{(- j_s - 1) (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - 1)!}{j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - \boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\text{})!}$$

$$\frac{(n_s-\text{})!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l}_{ik})!}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})!\cdot(j_i-\text{})!}\cdot$$

$$\frac{(D-\text{})!}{(D+j_i-\text{}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+\text{}-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n \wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1 \wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n} \wedge$

$\qquad D > \boldsymbol{n} < n$

$$l_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} \sum_{i}^{i^{l-1}(\ldots+1)} \sum_{1}^{(j_s=2)}
$$

$$
\sum_{=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=s+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}}^{n} \sum_{}^{(n_i\quad +1)}$$

$$\sum_{n_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk} \sum_{}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{- n_{is} - 1)!}{(\quad -2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \quad - n_{ik} - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s)}^{\left(l_i-\ _il+1\right)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\;)!}$$

$$\frac{(n_s-1)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}\quad)}{(\boldsymbol{l_{ik}}-j_{ik}-\;+1)!\cdot(j_{ik}-\;^{k})!}\cdot$$

$$\frac{(D-\;)}{(D\;-j_i-\;)!(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k={}_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_{i}}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk \cdots \cdot (\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s- \ \boldsymbol{l_i})!\cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{s}^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} \cdots \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \cdots \boldsymbol{s} = s + \Bbbk$

$\Bbbk_2 \cdots z = 2 \wedge \Bbbk \cdots \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdots (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\cdots k - 1\cdots)}{(\boldsymbol{l_s} - \cdots - k + \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\cdots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \cdots_{i\cdots})}{(D + j_{i\cdots} \cdots - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk_1}^{n} \sum_{=n+\Bbbk_2}^{(\ n_{ik}-\Bbbk_1+1} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s -)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot - j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=\ )}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ }^{n} \sum_{(n_{ik}=n_i-j\ \ \Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} D - \boldsymbol{n} 1 \wedge$$

$$1 \leq \leq j_{ik} - j_{sa}^{ik} + j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \leq j_i \leq \boldsymbol{n} $$

$$\boldsymbol{l_{ik}} - + 1 > + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} \leq D + - \boldsymbol{n} \wedge$$

$$> \boldsymbol{n} \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\ldots}^{n} \sum_{(\quad+\ldots+j_s+1)}^{(\quad j_s+1)}$$

$$\sum_{\quad}^{n_{is}+j_s-\ldots \mathbb{k}_1} \sum_{\quad}^{(n_{ik}+j_{ik}-\ldots)}$$

$$\frac{(n_i - n_{is}\quad}{(j_s-2)!\,(n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\quad_s - n_{ik}\quad 1)!}{(j_{ik} - j_s - 1)!\,(n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(\quad_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-\;)!}$$

$$\frac{(n_s-1)}{(n_s+j_i-\boldsymbol{n}-1)!\;(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}\;)}{(\boldsymbol{l_{ik}}-j_{ik}-\;+1)! \cdot (j_{ik}-\;)!}$$

$$\frac{(D-\;)}{(D\;-j_i-\;)!\;(\;\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )}\ \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}+j_{ik}-j_i \cdots}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk \cdots \cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\cdots \boldsymbol{l})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{i} \cdots$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - \cdots$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} \cdots \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \cdots \boldsymbol{s} = s + \Bbbk \cdots$

$\Bbbk_2 \cdots z = 2 \wedge \Bbbk \cdots \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \quad)}{(\boldsymbol{l_s} \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{}^{(l_i + n - 1)} \sum_{(j_i = l_i + n - D)}^{}$$

$$\sum_{n_i = n + k}^{} \sum_{n_s = n - j_i + 1}^{n - j_i - k_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = l_i + n - D)}^{(l_s + s - k)}$$

$$\sum_{n_i = n + k}^{n} \sum_{(n_{is} = n + k - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \quad (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} \quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad_k - 1}{(\boldsymbol{l_s} \quad - k + 1) \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{+ j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - s + 1} \sum_{= j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \quad \sum_{= \boldsymbol{n} + \mathbb{k}_2 \quad +1)}^{(\ )} \quad \sum_{n_s = \boldsymbol{n} - j_i + 1}^{- j_i - \mathbb{k}_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l} \quad \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n} \quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ )} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ _k - 1)}{(\boldsymbol{l_s} - \ - k +)\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ _{i})}{(D + j_i \ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\ _i \boldsymbol{l} - 1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - }$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{+ j_{sa}^{ik} - D -}^{l_i + j_{sa}^{ik} - s + 1} \sum_{= j_{ik} + s - j_{sa}^{ik}}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{= n + \Bbbk_2}^{(\ )} \sum_{n_s = n - j_i + 1}^{- j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2 \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - \boldsymbol{l}\ }{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\ \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1\ $

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \ $

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \ \wedge$

$\Bbbk_z: z = 2 \wedge\ = \Bbbk_1 +\ \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{_i}\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - s - k + 1)! \cdot (l_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} - j)! \cdot (j_{ik} - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{ik})!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik}=j_i + j_{sa}^{ik} - s}^{(l_{ik} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = l_s + s - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \quad)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{ik-s}^{} \sum_{(j_i=\boldsymbol{l}\ +s-D-j_{sa}^{ik})}^{\left(l_{ik}+s-\ _i\ \ \ 1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\quad i_k-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-\ \ +1)}^{} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2\ \ \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l_i})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z \quad 2 \quad \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1}\ \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$D > \boldsymbol{n} < n$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)} \cdot (\boldsymbol{n} - j_i)!$$

$$\frac{(\quad k - 1}{(\boldsymbol{l_s} - k + 1) \quad 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa} + 1)!} \cdot$$

$$\frac{(D - \quad}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{ik = l_{ik} + n - l + 1}^{l_{ik} - l + 1} \sum_{(j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{ik = n + \Bbbk_2}^{(\ ik - \Bbbk_1 +)} \sum_{n_s = n - j_i + 1}^{-j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}\quad}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\,(\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad\wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \quad$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \quad\wedge$$

$$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{j_s,\,j_{ik},\,j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\cdots k - 1 \cdots)}{(\boldsymbol{l_s} - \cdots - k + \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} \cdots + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdots) \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \cdots)}{(D + j_i \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\cdots=1}^{\cdots l - 1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{i=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{l_{ik}-l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{i=\boldsymbol{n}+\Bbbk_2+1)}^{(l_{ik}-\Bbbk_1+} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \quad}{(D + j_i - \boldsymbol{n} - l_i) \quad (\boldsymbol{n} - j_i)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l} \quad \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \quad {}_{sa}^{ik} - 1 \leq \quad \leq j_i \quad {}^{ik} \quad$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} \quad {}_{sa}^{ik} + 1 \quad {}_s + j_{sa}^{ik} - 1 \leq \quad \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j \quad \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s \quad 1 > \boldsymbol{l_s} \wedge$$

$$\boldsymbol{l_i} \leq D + s \quad \boldsymbol{n})\big) \wedge$$

$$D \quad \boldsymbol{n} \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - \quad \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \cdot \quad 1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j^{ik}_{sa}+1)}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{j_i+j^{ik}_{sa}-s} \sum_{(j_i=s+}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i \cdots _s+1)!} \cdot$$

$$\frac{(n_{is} \cdots _{ik}-1)!}{(j_{ik}-j_s \cdots 1)! \cdot (n_{is} \cdots _s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(\cdots -n_s-1)!}{\cdots -j_{ik}-1) \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j^{ik}_{sa}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j^{ik}_{sa}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j^{ik}_{sa}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j^{ik}_{sa}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j^{ik}_{sa}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{} - n_{} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{} - j_{ik} - n_s - j_{})!} \cdot$$

$$\frac{(n_{} -)!}{(n_s j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - - j_{sa}^{ik} + 1)!}{(+ \boldsymbol{l_{ik}})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= _il}^{()} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}- _il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i- _il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D -)}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{i} \sum_{(j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{n}\;\sum^{(\;\;)}\;\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\;)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-s+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}))\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk\geq$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa},\Bbbk_1,j^{ik},\Bbbk_2,j_{sa}^{i}\}\wedge$

$z=3\wedge s=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{{}_{i}\boldsymbol{l}-1}\;\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{\boldsymbol{l_i}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{-j_s-l+1)\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\ -\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ -j_i-\boldsymbol{l})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} +)} $$

$$\sum_{j_{ik} = {}^{ik}_{sa} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\ )!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j \quad \leq j_i + j_{sa}^{ik} - \quad$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \quad 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j \quad -1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \quad \wedge$

$\boldsymbol{l} \quad s + 1 > \quad$

$\boldsymbol{l_i} \quad D + s - \boldsymbol{n})\big)$

$\quad \geq \boldsymbol{n} \quad \wedge I = \Bbbk \geq$

$j_{sa}^{ik} = j_{\quad a}^i - 1 \quad \quad -1 \wedge$

$\boldsymbol{s:} \{j_{sa}, \Bbbk_1, \quad^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$\quad = 3 \wedge \boldsymbol{s} \quad s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s+j_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i - 1)}{(j_s - 2) \cdot (n_i - n_{is} + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} + 1)!}{(j_{ik} - j_s) \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\ _il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} + \quad)} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} \quad 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(\quad - j_{sa}^{ik}\right)!}$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} \quad \right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right) \quad \left(j_i + j_{sa}^{ik} - \quad s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\quad + j \quad - \boldsymbol{n} - \boldsymbol{l_i}) \quad (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1} \sum_{(j_s=2)}^{\quad -k+1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + s - \boldsymbol{l})! \cdot (\boldsymbol{n} - s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - \dots 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \dots 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i \dots 1 \wedge j_{sa}^s = j_s \dots - 1 \wedge$

$\boldsymbol{s}: \{j_s^s \dots \Bbbk_1, j_{sa}^{ik}, \dots \} \wedge$

$s = 3 \wedge \boldsymbol{s} \dots s + \Bbbk \wedge$

$\dots z = 2 \dots \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\cdots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\cdots-1)!}{(j_s-2\cdots(n_i-n_{is}\cdots+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-\cdots)!\cdot(n_{is}+\cdots-n_{ik}-j_{ik})!}$$

$$\frac{(\cdots-n_s-\cdots)!}{(j_i-\cdots-1)!\cdot(\cdots n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(\cdots-1)!}{(n_s\cdots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_{\cdots}\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s -)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(- j_s - l +) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (- j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} - j_i -)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}- {}_i\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}- {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad - j_i)!}$$

$$\sum_{k=}^{D + \boldsymbol{l_s} + s - \boldsymbol{n}} \sum_{\left(j_s = j_{ik} - j_{sa}^{ik} + \right)}^{(\quad)}$$

$$\sum_{j = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$((\quad \geq \boldsymbol{n} \quad < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j \quad - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$$D > \boldsymbol{n} < n$$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1\big)\big) \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_i}^{j_{ik}, SD} = \sum_{k=1}^{J - \ldots - j_{sa}^{ik} + 1} \sum_{(j_s = 2)}^{}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa} \ldots} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik}-l_s-j_{sa}^{ik}+1\right)!}{\left(j_s+l_{ik}-j_{ik}-l_s\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(l_i+j_{sa}^{ik}-l_{ik}-s\right)!}{\left(j_{ik}+l_i-j_i-l_{ik}\right)!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j}$$

$$\sum_{k=1}^{i}\sum_{(=2)}^{(l_s-k+1)}$$

$$\sum_{j_{sa}^{ik}-k+1}^{l_{ik}\quad+1}\sum_{=j_{ik}+s-j_{sa}^{ik})}^{(l_i\quad)}$$

$$\sum_{n_i-\quad k\;(n_{is}=n+k-j_s+1)}^{n\quad+1)}$$

$$\sum_{n_{is}\quad k_2-j_{ik}+1}^{-j_{ik}-k_1}\sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-k_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(l_{ik}-l_s-j_{sa}^{ik}+1\right)!}{\left(j_s+l_{ik}-j_{ik}-l_s\right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(l_i+j_{sa}^{ik}-l_{ik}-s\right)!}{\left(j_{ik}+l_i-j_i-l_{ik}\right)!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1} \sum_{(\ \ _i\boldsymbol{l}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i}-\ _i\boldsymbol{l}+\ \right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk\ \ j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{(n_s=\boldsymbol{n}-\ )}^{n_{ik}+\ \ -j_i-\Bbbk_2}$$

$$\frac{(n_i - \ \ - 1)!}{(j_{ik}-2)\cdot(\ \ - n_i - j_{ik} + 1)!} \cdot$$

$$\frac{(\ \ - n_s - 1)!}{(j_i - \ \ - 1)! \cdot \ \ + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s\ \ j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\ \ _{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(\ _k + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\;(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l}\quad\wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\quad\wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s\quad {}_{sa}^{ik}-1 \leq\quad \leq j_i+\quad^{ik}-\quad$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i}-s+1 > \boldsymbol{l_s}\quad$

$D+s-\boldsymbol{n}\quad\boldsymbol{l_i} \leq D\quad {}_i+s-\boldsymbol{n}-1)\big)$

$D \geq \boldsymbol{n} < n \wedge I = \quad \geq 0 \wedge$

$j_{sa}^{ik} = \quad -1 \wedge j_{sa}^{s} = \quad -1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_s \quad \Bbbk_2, j_{sa}^{i}\}\quad$

$s = \quad = s+\Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s - j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(n - k - 1)!}{(n - j_s - n - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{sa})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad) \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \quad k - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \quad - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \ _il}^{(\quad)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}- \ _il+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}- \ _il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ldots j_{sa}^{ik})}$$

$$\sum_{\ldots+\mathbb{k}\,(n\ldots}^{(n_i-j_s+\ldots)} \sum^{(n\ldots+\mathbb{k}-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}\ldots-j_{ik}-\mathbb{k}_1}^{} \sum_{\ldots n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}^{}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \ldots D - \boldsymbol{n} \ldots 1 \wedge$

$1 \leq j_s \ldots \leq j_{ik} - j_{sa}^{ik} + \ldots j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \ldots \leq j_i \leq \boldsymbol{n} \ldots$

$\boldsymbol{l_{ik}} \ldots^k + 1 = \boldsymbol{l_s} \ldots \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_i} \ldots + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$\ldots \boldsymbol{n} \ldots \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{_i l-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=l_i+n-D}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\ldots}^{n} \sum_{}^{(\ldots j_s+1)}$$

$$\sum_{}^{n_{is}+j_s-\ldots \Bbbk_1} \sum_{=n-j_i+1)}^{(n_{ik}+j_{ik}-\ldots)}$$

$$\frac{(n_i - n_{is}\ldots)}{(j_s-2)\ldots(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{\ldots_s - n_{ik}\ldots 1)!}{(j_{ik}-j_s-1)\ldots(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{\ldots_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-_i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ )!}$$

$$\frac{(n_s - 1)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}})}{(\boldsymbol{l_i} + j_{sa}^{ik} - \ - \boldsymbol{l_{ik}})! \cdot (j_i \ )!} \cdot$$

$$\frac{(D \ \boldsymbol{l_i})!}{+ j_i \ )! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq \ \leq j_i + j_{sa}^{ik} - $

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + \ - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa} \ j_{sa}^{ik} - 1 \wedge$

$s \ (j_{sa}^s, \Bbbk_1, j_{sa}^{\ }, j_{sa}^i \} \wedge$

$s = \ \wedge \boldsymbol{s} = s + \Bbbk $

$\Bbbk_z : z = \ \wedge \Bbbk = \Bbbk_1 + \ \Rightarrow$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - \ )!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ - 1)!}{(\ -j_s - \ +1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j - \boldsymbol{l_{ik}})! \cdot (\ + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k= \quad}^{D+\boldsymbol{l_s}+s- \quad} \sum_{(j_i \quad +\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} \quad +j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\quad > \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s \quad)}^{(\quad)} \cdot$$

$$\sum_{j_{ik}=\boldsymbol{l}_s+\cdots-D-1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\cdots)}^{(\boldsymbol{l}\cdots-k)} \cdot$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(\quad-j_s+1)}^{(n_i-j_s+1)} \cdot$$

$$\sum_{n_{ik}=\boldsymbol{n}\cdots_2-j_{ik}+1}^{n_{is}+j_s-\cdots\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \cdot$$

$$\frac{(n_i - n_{is} - 1)!}{(\cdots 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\cdots_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \quad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik} \quad 1)!}{(j_{ik}-j \quad (n_{is}+j \quad -n_{ik}-j_{ik})!}$$

$$\frac{(\quad -n_s \quad)}{(j_i \quad -1)! \quad _{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s \quad -1)!}{(n_s \quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j \quad +\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \cdots)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} \cdots j_{ik} - s\right)!} \cdot$$

$$\frac{(\cdots)!}{(D + \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdots j_i)!} +$$

$$\sum_{\cdots}^{D - \cdots} \sum_{\cdots}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - \cdots} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{=n+\Bbbk\,(n_{is}=n}^{n} \sum^{(n_i\ +1)}$$

$$\sum_{n_{ik}=n_{is}}^{} j_{ik}-\Bbbk_1 \qquad -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - 1)!}{(n_i\ \ - 1)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s\ \ j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \quad D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad j_{is} + j_{sa}^{ik} - 1 \leq \quad \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \quad n \wedge$

$l_{ik} - j_s + 1 = l_s \wedge l_i \quad j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \quad l = \Bbbk \geq \quad \wedge$

$j_{sa}^{ik} \quad j_s = j_{sa}^{ik} - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^s, \Bbbk_1, \quad \Bbbk_2, j_{sa}^i\} \wedge$

$s \quad s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-j_i+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s)!\,(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\cdots k - 1)}{(\boldsymbol{l_s} - \cdots - k + 1) \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} \cdots s)!}{(j_{ik} + \boldsymbol{l_i} - \cdots)! \cdot (j_i + \cdots k - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i \cdots n - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\cdots + \boldsymbol{l_s} + s - \cdots} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}}^{DOS} \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(l_i+\boldsymbol{n}-j_{sa}^{ik}+1)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{(l_i-k+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1}\sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}\sum_{(j_i=\ \ +s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{\ \ n+\Bbbk\ (n_{is}=n\ \ +1)}^{n}$$

$$\sum_{n_{ik}\ \ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ \ }\sum_{(\ \ +j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2\ )}$$

$$\frac{(\ \ -n_{is}-1)!}{(\ \ -2)!\cdot(\ \ -n_{is}-j_s+1)!}\cdot$$

$$\frac{(n\ \ -n_{ik}-1)!}{(\ \ -j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i}\sum_{(j_s=l_i+n-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - 1)! \cdot (k - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - s - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_i\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\cdots k - 1)}{(\boldsymbol{l_s} - \cdots - k + 1) \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l}\cdots s)!}{(j_{ik} + \boldsymbol{l_i} - \cdots)! \cdot (j_i + \cdots k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}\cdots)}{(D + j_i \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+\cdots} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_{is}+\Bbbk (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(j_s+1)}$$

$$\sum_{=n_{is}+j_s-\Bbbk_1 (n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \quad + 1 \wedge$

$2 \leq j_s \leq j_{ik} \quad + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \quad + s - \quad^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}
$$

$$
\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum_{(j_i = l_i + n - D)}^{(l_s + s - k)}
$$

$$
\sum_{n_i = n}^{n} \sum_{}^{(\ldots j_s + 1)}
$$

$$
\sum_{\ldots j_{ik} + 1}^{n_{is} + j_s - \ldots \Bbbk_1} \sum_{\ldots = n - j_i + 1)}^{(n_{ik} + j_{ik} - \ldots \Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} \ldots)}{(j_s - 2) \ldots (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{\ldots_{is} - n_{ik} \ldots 1)!}{(j_{ik} - j_s - 1) \ldots (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(\ldots_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot
$$

$$
\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +
$$

$$
\sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(l_s - k + 1)}
$$

$$
\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum_{(j_i = l_s + s - k + 1)}^{(l_i - k + 1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n{-}j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{i} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} - j_{ik} - n_s - j)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s{-}j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_s - \boldsymbol{n} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S_{\ldots,k,j_i}^{DO} = \sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s} - \boldsymbol{n} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n})}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\quad} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{(n_i\quad s-I)!}{(n_i\quad)\cdot(n-s)!}\cdot$$

$$\frac{(\quad l_s-k-1)!}{(\quad -j_s\quad +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D\quad j_i-n-l_i)!\cdot(n-j_i)!}$$

$$D \geq n < n \wedge l_s > D-n\quad 1 \wedge$$

$$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}\quad 1 \leq j_{ik} \leq \quad +j_{sa}^{ik}-s \wedge$$

$$j_{ik}+\quad -j_{sa}^{ik} \leq j_i \leq \quad \wedge$$

$$l_{ik}\quad -j_{sa}^{ik}+1 > \quad \wedge l_i+\quad k-s=l\quad \wedge$$

$$D \geq \quad < n \wedge I = \Bbbk\quad 0 \wedge$$

$$\quad_{sa}^{ik}=j_{sa}^l\quad 1 \wedge j_{sa}^s=j_s\quad -1 \wedge$$

$$s:\{j_s^s\quad \Bbbk_1, j_{sa}^{ik}, \quad \wedge$$

$$s=3 \wedge s\quad s+\Bbbk \wedge$$

$$\Bbbk:z=2\quad \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\quad-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \qquad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik} \quad 1)!}{(j_{ik}-j_s \quad (n_{is}+j_s \quad n_{ik}-j_{ik})!}$$

$$\frac{(\quad -n_s \quad)}{(j_i-\quad -1)! \quad {}_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s \quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j \quad \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot \left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - \cdots - k + 1)! \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{=1}^{\boldsymbol{l_s} + s - \boldsymbol{n} - \cdots} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$D > \boldsymbol{n} < n$

$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum_{j_{ik}=\dots}^{\dots+1} \sum_{(\dots+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+\dots)} \dots$$

$$\sum_{j_{ik}=\dots}^{\dots \boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum_{(j_i = \quad s - k + 1)}^{(l_{ik} + s - k - j_{sa}^{ik}}$$

$$\sum_{=n+\Bbbk}^{n} \sum_{(n_{is} = n \quad +1)}^{(n_i \quad +1)}$$

$$\sum_{n_{ik} \quad +\Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} -} \sum_{(\quad -j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk}$$

$$\frac{- n_{is} - 1)!}{\quad - 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\quad - n_{ik} - 1)!}{\quad - j_s - 1) \quad (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_i} \sum_{(j_i = l_{ik} + n + s - D - j_{sa}^{ik})}^{(l_s + s - k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k - \;)}{(l_s - j_s \; 1)! \cdot (\; -2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (\boldsymbol{n} - j)}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \; j_{ik} \leq j_i \; {}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, \; \} \wedge$

$\boldsymbol{s} = 3 \wedge \boldsymbol{s} = \; + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \; + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\;)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\;-1)!}{-j_s+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\;-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s \quad {}_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad {}_i)!} -$$

$$\sum_{k= \quad}^{D + \boldsymbol{l_s} + s \quad} \sum_{(\quad {}_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{= \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \quad ik - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_{ik}=j_s+\boldsymbol{n}-D)}^{(l_{ik}+\boldsymbol{n}-D-)} \sum_{j_{ik}=\ldots \boldsymbol{n}-D}^{l_{ik}-k} \ldots (j_i=j_{ik}+l_i)$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum^{(n_i-j_s+1)} (\ldots -j_s+1)$$

$$\sum_{n_{ik}=\ldots k_2-j_{ik}+1}^{n_{is}+j_s-\ldots \Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{\ldots 2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{\ldots_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\;-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbb)}$$

$$\frac{(n_i\quad-1)}{(j_s-2\;\;(n_i-n_{is}\;\;+1)!}\cdot$$

$$\frac{(n_{is}-n_{\quad}-1)!}{(j_{ik}-\;\;(n_{is}+\;\;-n_{ik}-j_{ik})!}\cdot$$

$$\frac{-n_s\;\;}{(j_i\;\;-1)!\;(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\quad-1)!}{(n_s\;\;j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_{\quad}\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} (j_i + j_{sa}^{} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{ \boldsymbol{n} - \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum^{i^{l-1}} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}$$

$$\sum_{\boldsymbol{l_{ik}} +1}^{} \sum_{=j_{sa}^{ik}+1 (j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k = {}_il}^{({}_il+1)} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}}^{()}$$

$$\sum_{n_s=n+\Bbbk\,(n_{is}=n+\Bbbk_2}^{n}\;\sum_{}^{(n_i-j_{ik}-\Bbbk_1)}\;\sum_{n_i-j_i+1}^{n_{ik}+j_{ik}-j_i-}$$

$$\frac{(\;- n_{ik} - 1)!}{(\;- 2)! \cdot (\;- n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(\;- n_s - 1)!}{(\;- j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk\,(n_{is}=n+\Bbbk-j_s+1)}^{n} \sum_{}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s- \quad)!}$$

$$\frac{(D-\boldsymbol{l_i})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\quad -j_i)!}$$

$$\sum_{k=\ _i l}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j \quad \Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D-\boldsymbol{n} \quad 1 \wedge$$

$$1 \leq \quad \leq j_{ik}-j_{sa}^{ik}+ \quad \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+s- \quad \leq j_i \leq \boldsymbol{n} \quad$$

$$\boldsymbol{l_{ik}} \quad {}^{ik}+1 = \quad + j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \leq D+s \quad \boldsymbol{n} \wedge$$

$$\quad > \boldsymbol{n} \quad \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}^{ik}-1 \wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}\ -\Bbbk_2)}$$

$$\frac{(\quad-n_{is}\quad1)!}{(j_s\quad2)!\cdot(n_i\quad j_s+1)!}\cdot$$

$$\frac{(n_{is}\quad_{ik}-1)!}{(j_{ik}-j_s\quad)!\cdot(n_{is}\quad j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(\quad-n_s-1)!}{(\quad-j_{ik}-)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(\ldots)}{(n_s - j_i - \boldsymbol{n} \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - k - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + \ldots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ldots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\, _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\boldsymbol{l}_i - \, _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_{})}$$

$$\sum_{}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{i}\, \boldsymbol{l}_s - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = j_{}^{ik} - s}^{-k)} \sum_{(j_i = s+1)}^{}$$

$$\sum_{n_{}+\Bbbk}^{j_s+1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{= n_{is} + j_{}k - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \, {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(\ )} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}}^{DOSL} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} \right.} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k = {}_i\boldsymbol{l}}^{(\ )} {}_i (j_s)$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{\left(l_i - {}_i\boldsymbol{l} + 1\right)} {}_{(j_i = s)}$$

$$\sum_{=\boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \Bbbk_2 - j_{ik} + 1)}^{-j_{ik} - \Bbbk_1} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = 1}^{{}_i\boldsymbol{l} - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k -)}{(\boldsymbol{l_s} - j_s - 1)! \cdot (- 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i = +\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \quad \boldsymbol{l_s} \leq D - + 1 \wedge$$

$$1 \leq \quad j_{ik} - j_{sa} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_s \leq j_i \leq \boldsymbol{n} \wedge$$

$$\qquad 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i \boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik}}^{(\quad)} $$

$$\sum_{j_{ik}=j_{sa}}^{\boldsymbol{l}_s + j_{sa}^{ik} - k} \sum^{(\quad k+1)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk}^{(n_i - j_s +} \quad \sum^{(\quad \boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{is}}^{\quad -j_{ik}-\Bbbk_1} \quad \sum^{(j_i - \Bbbk_2)}$$

$$\sum_{\boldsymbol{n}+\Bbbk_2 - j}^{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i \boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{\left(l_i - {}_i l + 1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - \boldsymbol{n} - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_i + j_{sa} - l_{ik} - s)!}{(l_i + j_{sa} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i l}\ \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\ \sum_{n_s=n_{ik}\ \ -j_i-\Bbbk_2}$$

$$\frac{(\ \ \ \ -\ \ )!}{(\ \ -\boldsymbol{n}-\ \Bbbk)!\ (\ \ -s)!}\cdot$$

$$\frac{\ \ -l_i)!}{(\ \ s-\boldsymbol{n}-\ \ )!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{i\ }\ s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{s\ }^{ik}\ \ > \boldsymbol{l_{ik}}$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = \ _{sa} - 1 \wedge j_{sa}^{s} = \ ^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk\ \ ^i_{sa}\} \wedge$

$s = \ \ \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2\ \ \ k = \Bbbk_1 + \Bbbk\ \ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\ _i l - 1}\ \sum_{(j_s=2)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{i}\ldots)!}$$

$$\frac{(n_{ik} - n_s - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} \ldots_s - j_i)!}$$

$$\frac{(n_s - \ldots)}{(n_s + j_i \ldots \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \ldots_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} \ldots - 1)!}{\ldots_{j_s} \ldots + 1 \ldots (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa} \ldots \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j \ldots \boldsymbol{l_{ik}})! \cdot \ldots + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\left(\boldsymbol{l_i} - \ _i\boldsymbol{l}+1\right)} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{\left(l_{ik} - k - j_{sa}^{ik} + 2\right)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_s}^{} \sum_{}^{\left(j_{sa}^{ik}\right)}$$

$$\sum_{}^{} \sum_{}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{} \sum_{}^{\left(n_{ik} + j_{ik} - j_i - \Bbbk_2\right)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k = {}_i l}^{} \sum_{(j_s = 1)}^{()}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{()}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{()} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - n - \Bbbk)! \cdot (n - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}{:}\left\{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z{:}\, z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{\ell z}S_{j_s,j_{ik}}^{DO} = \sum_{k=1}^{\boldsymbol{l}_i - 1} \sum_{(j_s=2)}^{(\boldsymbol{l}_s - k + 1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}}^{} \sum_{(j_i=s)}^{(\ +1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{l-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

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$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\;)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\;-j_i)!}$$

$$\sum_{k=\;_i l}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\;}^{n}\sum_{(n_{ik}=n_i-\;\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\;\;D-\boldsymbol{n}\;\;1\wedge$

$1\leq\;\;\leq j_{ik}-j_{sa}^{ik}+\;\;\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-\;\;\leq j_i\leq\boldsymbol{n}\;\;$

$\boldsymbol{l_{ik}}-\;\;+1=\;\;+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}\;\;\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$

$\;\;>\boldsymbol{n}\;\;\wedge I=\Bbbk\geq 0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}=j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^{i}\right\}\wedge$

$s=3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$
_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i l-1} \; \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\;)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \; \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}
$$

$$
\sum_{n_i=n+\Bbbk}^{n} \; \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=n+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \; \sum_{(n_s=n-j_i+1)}^{(n_i+j_{ik}-\Bbbk_2)}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_s-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot
$$

$$
\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!} +
$$

$$
\sum_{k=1}^{_i l-1} \; \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\;)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \; \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{\ldots} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{\ldots} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_{\ldots} - 1)!}{(n_s + j_i - \boldsymbol{n} - \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - k - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \ldots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ldots - \ldots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_i + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{(= j_i + j_{sa}^{ik} - s)}^{(\boldsymbol{l_{ik}} + s + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\;)}$$

$$\sum_{(n_i = \; + \mathbb{k})}^{(\; j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\;)}$$

$$\sum_{(= n_{is} + j_{\;}^{ik} - \mathbb{k}_1)}^{(\;)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \leq \; \wedge \boldsymbol{l_s} \leq D - \; + 1 \wedge$$

$$1 \leq j_{\;} \leq j_{ik} - \;^{ik} + \; \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{\;}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \; = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$\qquad D > \boldsymbol{n} < n$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{j_i + j_{sa}^{ik} - s} \sum_{(\;\;\;_i + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}
$$

$$
\sum_{n_i \;\;\;\; \Bbbk \, (n_{is} = \boldsymbol{n} + \Bbbk - j\;\;\;)} \quad^{(n_i - \;\;\; -1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n}\;\;\; - j_{ik}+1}^{\;} \sum_{(n_s\;\;\;\;_i + 1)}^{\;\;+ j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n\;\;\; - n_{is} - 1)!}{(j_s \;\;\; 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n\;\; - n_{ik} - 1)!}{(j_{ik}\;\;\;)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - j_i - \boldsymbol{n} - j_i)!}{(n_s - j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ - k - 1)!}{(\ - j_s - \ + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \ - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ - \ )! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i - \ _il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik} = j_i + j_s}^{(\ \ )} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\ \ )}$$

$$\sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{k = n_{is} + j_s}^{(\ \ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - \boldsymbol{l_{ik}} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} - s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + s = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - l_{ik})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(\quad _i + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i \quad \Bbbk}^{\quad} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s \quad)}^{(n_i - \quad 1)}$$

$$\sum_{\quad - j_{ik} - \Bbbk_1}^{\quad} \sum_{\quad + j_{ik} - j_i - \Bbbk_2)}^{\quad}$$

$$\sum_{n_{ik} = \boldsymbol{n} \quad - j_{ik} + 1}^{\quad} \sum_{(n_s \quad _i + 1)}^{\quad}$$

$$\frac{(n \quad n_{is} - 1)!}{(j_s \quad 2)! \cdot (n_i \quad n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \quad - n_{ik} - 1)!}{(j_{ik} \quad \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-\cdots-1)!}{(n_s+j_i-\boldsymbol{n}-\cdots-j_i)!} \cdot$$

$$\frac{(\cdots-k-1)!}{(\cdots-j_s-\cdots+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+\cdots-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\cdots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik}+l_s - l_{ik})}^{(\ )}$$

$$\sum_{l+n+j_{sa}^{ik}-D}^{l_{ik}+1} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum \sum_{n+\Bbbk (n_{is}=\boldsymbol{n}+\Bbbk - j_s+1)}^{(j_s+1)}$$

$$\sum_{=n_{is}+j_s \cdots -\Bbbk_1 (n_s = n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )} \sum^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \cdots \wedge \boldsymbol{l_s} \leq D - \cdots + 1 \wedge$

$1 \leq j_s \leq j_{ik} \cdots {}^{ik} + \cdots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \cdots s - \cdots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \cdots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$\qquad D > \boldsymbol{n} < n$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=j_i+\boldsymbol{n}-D)}^{(l_i-k+1)}
$$

$$
\sum_{n_i=\ \ \Bbbk}^{\ } \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-\ -1)}
$$

$$
\sum_{=j_{ik}-\Bbbk_1}^{} \sum_{+j_{ik}-j_i-\Bbbk_2)}^{}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}\ -j_{ik}+1}^{} \sum_{(n_s\ \ _i+1)}^{}
$$

$$
\frac{(n_{\ }-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n\ -n_{ik}-1)!}{(j_{ik}-\ )!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot
$$

$$
\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n-1)!}{(n_s+j_i-\boldsymbol{n}-n-j_i)!}$$

$$\frac{(n-k-1)!}{(n-j_s-n+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+n-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+n-j_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j\ldots)}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j\ldots \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{\ldots + \boldsymbol{n} + j_{sa}^{ik} - D\ldots}^{\boldsymbol{l_s} + \ldots k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{\ldots}$$

$$\sum_{n_{i\ldots} + \Bbbk}^{\ldots \; (j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{\ldots}$$

$$\sum_{= n_{is} + j\ldots k - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \ \ldots \ \wedge \ \boldsymbol{l_s} \leq D - \ldots + 1 \wedge$$

$$1 \leq j\ldots \leq j_{ik} - \ldots^{ik} + \ldots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \ldots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} \ \ldots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s = 3 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_il-1} \; \sum_{(j_s=2)}^{(l_i+n-D-s)}
$$

$$
\sum_{j_{ik}=j_s+l_{ik}-l_s}^{(l_i-k+1)} \sum_{(\;{}_i+n-D)}^{(\;)}
$$

$$
\sum_{n_{\;}=\;+\Bbbk}^{(n_{is}=\boldsymbol{n}+\Bbbk-\;+1)}
$$

$$
\sum_{\;j_s-j_{ik}-\Bbbk_1}^{(\;ik+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\sum_{n_{ik}=\;_s-j_{ik}+1}^{(\;_i+1)}
$$

$$
\frac{(\;- n_{is} - 1)!}{(j_s - 2)! \cdot (n_{\;} - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{\;} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_il-1} \; \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{(l_i-k+1)} \; \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j)!} \cdot$$

$$\frac{(n - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - \boldsymbol{n} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + j - j_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_i - {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{}$$

$$\sum_{}^{} \sum_{}^{(j_s+1)}$$

$$\sum_{n_i+\Bbbk}^{} (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)$$

$$\sum_{=n_{is}+j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\geq \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j \quad \leq j_{ik} - \quad \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j \quad \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l} - j_{sa}^{ik} \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$$D > \boldsymbol{n} < n$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{} \sum_{(\ldots_i+\boldsymbol{n}-D)}^{(l_i-k+1)}
$$

$$
\sum_{}^{(n_i-\ldots+1)}
$$

$$
\ldots+\Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-\ldots)
$$

$$
\ldots j_s-j_{ik}-\Bbbk_1 \quad \ldots_{ik}+j_{ik}-j_i-\Bbbk_2)
$$

$$
\sum_{n_{ik}=\ldots_s-j_{ik}+1}^{} \sum_{}^{\ldots_i+1)}
$$

$$
\frac{(\ldots - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{\ldots} - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{\ldots} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{(l_i-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ \ -j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}\ \ -n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}\ \ -n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}\ \ j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s\ \ \ \ )!}{(n_s\ \ j_i-\boldsymbol{n}\ \ \ -j_i)!}\cdot$$

$$\frac{(\ \ \ -k-1)!}{(\ \ -j_s-\ \ +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+\ \ -\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ \ \ \ )!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - l_i} \sum_{(j_s = l_i + \boldsymbol{n} - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_{is} = \boldsymbol{n} + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - k - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \ \ \land \boldsymbol{l_s} \leq D - \ \ + 1 \ \land$$

$$1 \leq j_s \leq j_{ik} \ \ ik + \ \ j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \ \land$$

$$j_{ik} \ \ + s - \ \ ik \leq j_i \leq \boldsymbol{n} \ \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ \ > \boldsymbol{l_s} \ \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \ \land$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \ \land$$

$$D \geq \boldsymbol{n} < n \land I = \Bbbk \geq 0 \ \land$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa}^{ik} - 1 \ \land$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \ \land$$

$$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-} \sum_{(j_i=s+1)}^{(l_s+s-}$$

$$\sum_{n_{is}=n+\Bbbk}^{(n_i-\;\;+1)} (n_{is}=\boldsymbol{n}+\Bbbk-\;\;\;)$$

$$\sum_{n_{ik}=\;\;-j_{ik}+1}^{\;\;j_s-j_{ik}-\Bbbk_1} \sum^{\;\;k+j_{ik}-j_i-\Bbbk_2}_{(\;\;\;\;i+1)}$$

$$\frac{(\;\; - n_{is} - 1)!}{(j_s\;-2)! \cdot (n_{\;\;} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n\;\; - n_{ik} - 1)!}{(j_{ik}\;-j_s\;-1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_{})!} \cdot$$

$$\frac{(n_{} - 1)!}{(n_s + j_i - \boldsymbol{n} - {} - j_i)!} \cdot$$

$$\frac{({} - k - 1)!}{({} - j_s - {} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - {} - j_{sa}^{ik} + 1)!}{({} + \boldsymbol{l_{ik}} - {})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j}$$

$$\sum_{\;}^{_il-1} \sum_{(j_s = j_{ik}}^{(\;)}{}^{-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i}^{\;}{}_{-l_i} \sum_{(j_i=s+1)}^{(\;-k)}$$

$$\sum_{n_i\;+\Bbbk}^{\;} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\;}$$

$$\sum_{=n_{is}+j}^{\;}{}_{k-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\;_il}^{\;} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\;} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{\;}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^D_{j_s \ldots k, j_i} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l-k+1)}$$

$$\sum_{j_{ik} = l_s + j_{ik} - k + 1}^{k+1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_i l+1} \sum_{(j_i=j_{ik}+l_i-\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)!\ (n_i - n_{ik} - j_{ik} - 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)!\ (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\,_i l}^{\;} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{\,^{l}_{isa}}^{\;} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk\,(n_{ik}\;\;\;\;\;+1)}^{n} \sum_{\;}^{(\;)} \sum_{n_s=\;\;+j_{ik}-j_i-\Bbbk_2}^{\;}$$

$$\frac{(n_i -\;\;\;)!}{(n_i\;\;\mathbf{n} - \Bbbk)! \cdot (\mathbf{n} - s)!} \cdot$$

$$\frac{(\;\;- l_i)!}{(D\;\;s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} \leq D - \mathbf{n} + \;\;\;\wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + \;\;ik - 1 \leq j_{ik} \;\;\;\; + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j\;\;\; < \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + \;\;\; \geq \mathbf{l_s} \wedge l\;\;\; j_{sa}^{ik} - s = l_{ik} \;\;\;$

$\mathbf{l_{ik}} \leq D + j_{sa}^{ik} - \;\;\;$

$D \geq \;\;\; < n \wedge I = \Bbbk \geq \;\;\; \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \;\;\; \wedge j_{sa}^{s} = j\;\;\; - 1 \wedge$

$\mathbf{s} : \{\;\;\;\;\; j_{sa}^{ik}, \Bbbk_2, j_{sa}^{\;}\} \wedge$

$s = 3 \wedge \mathbf{s} = \;\;\; + \Bbbk \wedge$

$\;\;\;\;\; \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\,_i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1}\ \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ \ )}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s\quad -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\ )}$$

$$\frac{(n_i\quad -1)}{(j_s-2\ )\ (n_i-n_{is}\quad +1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-\quad)(n_{is}+j_{ik}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(\quad -n_s\quad)}{(j_i-\quad -1)!\ (\quad n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\quad -1)!}{(n_s\quad j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\quad\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1}\ \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s=)}^{(-k+1)}$$

$$\sum_{j_{ik}=+j_{sa}^{ik}-1}^{()} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=_i\boldsymbol{l}} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{()} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$D > \boldsymbol{n} < n$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l-k+1)}$$

$$\sum_{j_{ik} = j_s + l_{ik} - l_i}^{(l_i - k + 1)} \sum_{(j_i = l_s - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{- j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{(\,)}\sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}}^{\left(\boldsymbol{l_i}-\,_i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\,(n_i-n_{ik}-j_{ik}-1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\,-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}}\sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\,)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\,)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \land l_s \leq D - n + 1 \land$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \land$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \land l_i + j_{sa}^{ik} - s = l_{ik} \land$

$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \land$

$D \geq n < n \land I = \Bbbk \geq 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} = j_{sa}^{ik} - 1 \land$

$s : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \land$

$s = 3 \land s = s + \Bbbk \land$

$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum \quad \sum_{(j_s = 2)}^{{}_i^{l-1} \, (\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} \quad + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_i} + j_{sa}^{ik} \quad s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-\,_il-s+1}\sum_{(j_i=\ldots+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik}=n+\Bbbk\ldots_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=n\ldots}^{n_{ik}+\ldots-j_i-\Bbbk_2}$$

$$\frac{(n_i-\ldots-1)!}{(\ldots)!\cdot(\ldots-j_{ik}+1)!}\cdot$$

$$\frac{(\ldots-n_s-1)!}{(j_i-\ldots-1)!\cdot(\ldots+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s\ldots j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(\ldots_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\quad)}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_i + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_s - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s - 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - l_i)!}{(\boldsymbol{l} - \boldsymbol{n} - 1) \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=\ }^{\ ^{l-1}} \sum_{s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+\ ^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}}^{\boldsymbol{l_i}+j_{sa}^{ik}-\ _i l-s+1} \cdots {}^{ik}-D-s \ (\ _i \ _{ik})$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum^{(n_i-j_{ik}-\Bbbk)} \sum^{n_{ik}+j_{ik}-j_i}_{n-j_i+1}$$

$$\frac{- n_{ik} - 1)!}{(\ -2)! \cdot (\ - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(\ _{k} - n_s - 1)!}{\ _i - j_{ik} - 1)\ \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s- \quad)!}$$

$$\frac{(D-\boldsymbol{l} \quad }{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i}) \quad (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l} \quad \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}:\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z \quad 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{l-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdots)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\cdots k - 1)}{(\boldsymbol{l_s} - \cdots - k + \cdots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\cdots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \cdots)}{(D + j_i \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{-l_i} \sum_{(j_i=l_{ik}+s-D-j_{sa}^{ik})}^{(l_{ik}+s-\,_i\ldots\,1)}$$

$$\sum_{n_i=n+\Bbbk} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + 1) \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_{\quad}}{(D + j_{i} \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j=l_{ik}+n-}^{l_{ik}-l+1} \sum_{j=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2}^{(j_{ik}-\Bbbk_1} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \quad)}{(\boldsymbol{l_s} - \ - k + \ \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\ } + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa} + 1)!} \cdot$$

$$\frac{(D - \ )}{(D + j_i \ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\ = 1}^{\ ^{l-1}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=l_{ik}+n-}^{l_{ik}-l+1} \sum_{=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+}^{n} \sum_{k=n+\Bbbk_2}^{(j_{ik}-\Bbbk_1} +1)} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(l_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \;)!}$$

$$\frac{(D - \boldsymbol{l})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\;(\boldsymbol{n} - j_i)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk \ge 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \;$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \; \wedge$

$\Bbbk_z: z = 2 \wedge \; = \Bbbk_1 + \; \Rightarrow$

$${}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(l_s - k - 1)!}{(l_s - l - k + 1)! \cdot (l - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} -) ! \cdot (j_i + l_{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i l}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - \ _i l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk \geq 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s = 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\mathcal{J}_{j_s, j_{ik}, j_i}^{DOSD} \sum_{j=1}^{\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-_i l+1}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum^{(n_i-j_{ik}-\Bbbk+1)} \sum^{n_{ik}+j_{ik}-j_i}_{n-j_i+1}$$

$$\frac{(\ - n_{ik} - 1)!}{(\ -2)! \cdot (\ - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(\ - n_s - 1)!}{(\ j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$\left((D \geq \ < n \wedge l_s > D - n + 1 \wedge\right.$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$\left. l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}\right) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$\left.\left. l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}\right)\right) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} =$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.
$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} }$$

$$\frac{(\boldsymbol{l_s} - k 1)!}{(\boldsymbol{l_s} - j_s - k + 1) (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik}   s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} (j_i + j_{sa}^{ } - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{ \boldsymbol{n} \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum^{\boldsymbol{l_{ik}} + 1} \sum^{(\boldsymbol{l_i} - k + 1)}_{\boldsymbol{ik} + \boldsymbol{n} - D \ (j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j \ \ ik_{sa} - s}^{(\boldsymbol{l_{ik}} + s \ - j_{sa}^{ik} + 1)}$$

$$(n_i - j_s + 1)$$

$$\sum \quad \sum^{\mathbb{k} \ (n_{is} \ + \mathbb{k} - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \ \ j_{ik} - \mathbb{k}_1 \ (\ \ n_{ik} + j_{ik} - j_i - \mathbb{k}_2)} \sum$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + \quad \wedge$

$2 \leq j_s \quad j_{ik} - j_{sa}^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa} \quad j_i \leq \boldsymbol{n}$

$\boldsymbol{l_{ik}} \quad + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \quad I = \mathbb{k} > 0 \wedge$

$j \quad 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^i \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z \colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j\ \ -1}^{n_{is}+j_s-j_{ik}-\ \ \ +j_{ik}\ \ -\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\ )}$$

$$\frac{(n_i-n_{is}\ \ 1)!}{(j_s\ \ 2)!\cdot(n_i\ \ \ j_s+1)!}\cdot$$

$$\frac{\ \ -n_{ik}\ \ \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\ (n_{is}+j_s\ \ n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ \ -n_s-1)!}{(\ \ -j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(\ldots)}{(n_s + j_i - \boldsymbol{n} - \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - k - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + \ldots - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \ldots - \ldots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l}_s+s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s: \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$S_{i_s,i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_i + n + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = l_i + n - D)}^{(l_i - k + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + j_{sa}^{ik} - D - s}^{k+1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{-j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\quad} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{(n_i\quad s-I)!}{(n_i\qquad(n-s)!} \cdot$$

$$\frac{(l_s-k-1)!}{(\quad-j_s\quad+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D\quad j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n \quad 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \quad \wedge l_i + \quad k - s > l \quad \wedge$

$D \quad < n \wedge I = \Bbbk \quad 0 \wedge$

$\quad_a^{ik} = j_{sa}^l \quad 1 \wedge j_{sa}^s > j_s \quad - 1 \wedge$

$s: \{j_s^s \quad \cdots, \Bbbk_1, j_s \quad \quad_a\} \wedge$

$s > 3 \wedge s \quad s + \Bbbk \wedge$

$\Bbbk \quad : z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_i-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-\ _s-j_i)!}$$

$$\frac{(n_s-\ )}{(n_s+j\ \boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ _i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{\ _{j_s}\ +\ (j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}\ \boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j\ \boldsymbol{l_{ik}})!\cdot\ +j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} \sum_{=1}^{D-\boldsymbol{n}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{D-n+1} \sum_{(j_s = l_i + n - s + 1)}^{(l_{ik} - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(-j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j^{i})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{(=n_{ik}+j_{ik}-j_i-}^{()}$$

$$\frac{(n_i s - I)!}{(n_i (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(-j_s-+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(Dj_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D - \boldsymbol{n} 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} 1 \leq j_{ik} \leq + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + - j_{sa}^{ik} \leq j_i \leq \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 \wedge \boldsymbol{l}_i + ^k - s > \boldsymbol{l} \wedge$$

$$D < n \wedge I = \Bbbk 0 \wedge$$

$$_{sa}^{ik} = j_{sa}^{l} 1 \wedge j_{sa}^s > j_s - 1 \wedge$$

$$\boldsymbol{s} : \{ j_s^s , \Bbbk_1, j_s _a \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} s + \Bbbk \wedge$$

$$\Bbbk : z = 2 \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l}_s+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=l_i+n-D)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ \ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\ \ )}$$

$$\frac{(n_i\ \ -1)}{(j_s-2\ \ (n_i-n_{is}\ \ +1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ -1)!}{(j_{ik}-j_s-1\ \ +j_s-n\ \ -j_{ik}-\Bbbk_1)!}$$

$$\frac{\ \ -n_s\ \ }{(j_i\ \ -1)!\ \ _{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\ \ -1)!}{(n_s\ \ j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j\ \ +l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \cdot}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(k - 1)}{(\boldsymbol{l_s} \cdot - k + 1) 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} s)!}{(j_{ik} + \boldsymbol{l_i} -)! \cdot (j_i + k - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l} }{(D + j_i \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{=1}^{\boldsymbol{l_s} + s - \boldsymbol{n} - } \quad \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \quad \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \quad \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \mathbb{k}_1} \quad \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-k)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-k)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j\ldots_s + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk \, (n_{is} = \ldots +1)}^{n} \sum^{(n_{i\ldots} +1)}$$

$$\sum_{n_{ik}\ldots+\Bbbk_2 - j_{ik}} \sum_{}^{n_{is} + j_s - j_{ik} \ldots}$$

$$\frac{(\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n\ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k -)}{(l_s - j_s - 1)! \cdot (-2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i + {}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} -$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \ldots, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - j_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(\boldsymbol{l_s} - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} -$$

$$\sum_{k=}^{D + \boldsymbol{l_s} + s - } \sum_{(\quad - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} \quad + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\quad+\boldsymbol{n}-D)}^{+\boldsymbol{n}-D-s)}
$$

$$
\sum_{+\boldsymbol{n}+j_{sa}^{ik}-D}^{\boldsymbol{l}_i+j_{sa}^{ik}-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{}
$$

$$
\sum_{}^{+1)} \sum_{}^{}
$$

$$
\sum_{n_i\quad+\Bbbk}^{} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{}
$$

$$
\sum_{n_{ik}=\quad\Bbbk_2-j_{ik}+1}^{n_{is}\quad-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\quad - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l}_i+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l}_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_s+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}+\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(n_s-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=\boldsymbol{l}_i+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ldots)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \ldots 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s - \ldots + 1)!} \cdot$$

$$\frac{(\ldots \boldsymbol{l_i})!}{\ldots \boldsymbol{n} - \ldots \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{\ldots = 1}^{D - \boldsymbol{n} + \ldots + 1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{\ldots}$$

$$\sum_{\ldots k = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_{ik}} \quad j_{sa}^{ik})}^{(\boldsymbol{l_s} + k)}$$

$$\sum \quad \sum_{\mathbb{k} (n \quad +\mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \quad j_{ik} - \mathbb{k}_1 (\quad n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} \quad \wedge$

$2 \leq j \quad j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \quad \leq j_i \leq \boldsymbol{n}$

$\boldsymbol{l_{ik}} \quad + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \quad I = \mathbb{k} > 0 \wedge$

$j \quad ik \quad 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j}^{n_{iS}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}\ -\Bbbk_2)}$$

$$\frac{(n-n_{iS}-1)!}{(j_s-2)!\cdot(n_i-j_s+1)!}\cdot$$

$$\frac{(-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(-n_s-1)!}{(-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_{...})!}$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - ...s - j_i)!} \cdot$$

$$\frac{(n_s - ...)}{(n_s + j_i ... \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} ... i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - ... - 1)!}{...-j_s...+...(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} ... j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{...} \boldsymbol{l_s})! \cdot (..._s - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + ... - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_i}^{D} = \sum_{k=1}^{n+1} \sum_{(j_s = l_s + n - D)}^{(l_{ik} + n - D - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{j_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-\boldsymbol{l_s}-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)} \sum_{j_{ik}=j_s+j_{sa}^{ik}}^{s-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_{is}=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)} \sum_{n_{ik}=\boldsymbol{n}_{is}-j_{ik}-\Bbbk_1}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{ik})}^{(\ )}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{(n_i\ \ s-I)!}{(n_i\ \ \ (\mathbf{n}-s)!} \cdot$$

$$\frac{(\mathbf{l}_s-k-1)!}{\ -j_s\ +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\mathbf{l}_i)!}{(D\ \ j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D-\mathbf{n}\ \ 1 \wedge$$

$$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}\ \ 1 \leq j_{ik} \leq\ \ +j_{sa}^{ik}-s \wedge$$

$$j_{ik}+\ \ -j_{sa}^{ik} \leq j_i \leq\ \ \wedge$$

$$\mathbf{l}_{ik}\ -j_{sa}^{ik}+1 >\ \ \wedge \mathbf{l}_i+\ ^k-s > \mathbf{l}\ \ \wedge$$

$$D\ \ \ < n \wedge I = \Bbbk\ \ 0 \wedge$$

$$\ _{a}^{ik} = j_{sa}^{l}\ \ 1 \wedge j_{sa}^s > j_s\ -1 \wedge$$

$$\mathbf{s}: \{j_s^s\ \ \cdots, \Bbbk_1, j\ \ \ _a\} \wedge$$

$$s > 3 \wedge \mathbf{s}\ \ s+\Bbbk \wedge$$

$$\Bbbk\ : z = 2\ \ \Bbbk = \Bbbk_1+\Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\mathbf{n}+1} \sum_{(j_s=\mathbf{l}_s+\mathbf{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_s-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\;)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\;_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\;-1)!}{(\;-j_s-\;+\;)\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\;-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\;-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\;-j_i-\;)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S_{i k, j_i}^{DO} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + \ldots)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D \ldots)!}{(D + j \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\ldots j_i)!} +$$

$$\sum_{\ldots}^{D \ldots +1} \sum_{\ldots}^{(\boldsymbol{l_s}-k+1)} \ldots$$

$$\sum_{j_{ik} \ldots + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} \ldots +1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{( )}^{( )}$$

$$\sum \sum_{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+\ldots+j_{ik}-\Bbbk_1}^{} \sum_{(\ldots n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \ldots D - \boldsymbol{n} + \ldots \wedge$

$2 \leq j_s \ldots j_{ik} - j_{sa}^{ik} + 1 \ldots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa} \ldots j_i \leq \boldsymbol{n}$

$\boldsymbol{l_{ik}} \ldots s \ldots + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \ldots I = \Bbbk > 0 \wedge$

$j_s \ldots \ldots -1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i\ldots)}^{(n_{ik}+j_{ik}\ldots j_i-\Bbbk_2)}$$

$$\frac{(n_i - \ldots - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{\ldots} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} \ldots \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \ldots n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\ldots - n_s - 1)!}{(\ldots - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j^{ik}_{sa} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j^{ik}_{sa} + 1)!} \cdot$$

$$\frac{(l_i + j^{ik}_{sa} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j^{ik}_{sa} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j^{ik}_{sa})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_{}-j_{}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_{})!} \cdot$$

$$\frac{(n_{}-)!}{(n_s+j_i-\boldsymbol{n}--j_i)!} \cdot$$

$$\frac{(-k-1)!}{(-j_s-+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}--j_{sa}^{ik}+1)!}{(+\boldsymbol{l_{ik}}--)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-l_i} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i \boldsymbol{l} - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \qquad)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \qquad s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} \qquad s)!} \cdot$$

$$\frac{(\qquad \boldsymbol{l_i})!}{\qquad \boldsymbol{n} \qquad \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum^{l-1}_{i} \qquad \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{ik = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} \quad + 1} \sum_{(j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=\,_i l}^{} \sum_{(j_s=1)}^{(\,)}$$

$$\sum_{j_{ik}=j_{sa}}^{(\,\,_i l+1)} \sum_{}^{}$$

$$\sum_{n_s=n+\Bbbk\,(n}^{n} \sum_{}^{(n_i-j_{ik}-\Bbbk_1}} \sum_{n-j_i+1}^{n_{ik}+j_{ik}-j}$$

$$\frac{(n_i - \,\,\,\,\, - \Bbbk_1 - 1)!}{(j_{ik} - \,\,\,(n_i - \,\,\, - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\,\,\,\, - n_s - 1)!}{\,\,\, - j_{ik} - 1\,)\,(n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(l_i + j_{sa}^{ik} - j_i - l_{ik})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{\,_i l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\,)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s+1)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}_i)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot \quad -j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=n}^{n}\sum_{(n_{ik}=n_i-j\quad \Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l}_s \quad D-\boldsymbol{n}\quad 1 \wedge$

$1 \le \quad \le j_{ik}-j_{sa}^{ik}+\quad \wedge j_s+j_{sa}-1 \le j_{ik} \le j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-\quad \le j_i \le \boldsymbol{n}\quad$

$\boldsymbol{l}_{ik}-\quad ^{ik}+1=\quad +j_{sa}^{ik}-s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \le D+\quad \boldsymbol{n} \wedge$

$\quad >\boldsymbol{n}\quad \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i-1 \wedge j_{sa}^s > j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1+\Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s}^{(l_s+s-k)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n\ \ -j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_i}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{\ \ \ +j_{ik}\ \ -\Bbbk_2)}
$$

$$
\frac{-n_{is}\ \ 1)!}{(j_s\ \ )!\cdot(n_i\ \ \ _s+1)!}\cdot
$$

$$
\frac{(\ \ -n_{ik}\ \ _1-1)!}{(\ _k-j_s-1)!\cdot(\ _{is}+j_s\ \ _{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(\ \ -n_s-1)!}{(\ \ _{ik}-1\ \ )\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{{}_il-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_s - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - \boldsymbol{n} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j - j_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i^{\ } - s}^{} \sum_{(j_i = s + 1)}^{(\ - k)}$$

$$\sum_{n_i\ = \ \ \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\ \ + 1)}$$

$$\sum_{= n_{is} + i\ \ \ k - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!}$$

$$\frac{(\quad)!}{(D + \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(l_i - {}_i l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \, (n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n \quad k - \Bbbk_1 + 1)} \sum \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s \ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+\ldots-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ldots s - \ldots)!}{(\ldots - \boldsymbol{n} - l)! \cdot (\ldots - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s \ldots k - 1)!}{\ldots i - k + \ldots)! \cdot (j_s - 2)!}$$

$$\frac{(D - \ldots)!}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \ \wedge \ \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \ \wedge$$

$$\ldots - j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \ \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \ \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \ \wedge$$

$$\boldsymbol{l}_i \leq D + s - \boldsymbol{n} \ \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{(j_s = j_{ik} + j_{sa}^{ik} + 1)}^{\boldsymbol{l} - 1} \sum^{(\;)}
$$

$$
\sum_{=j_{sa}^{ik}+1}^{ik-k} \sum_{(j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l}_i - k)}
$$

$$
\sum_{n_i = \; \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{+1)}
$$

$$
\sum_{\Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(n_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=\;_i l}^{(\;\;)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=}^{\left(l_i-\;_i l+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\;-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1\quad)!}{(j_{ik}-2)! \cdot (n_i \;\;_{k} - j_{ik} - \Bbbk_1\quad1)!} \cdot$$

$$\frac{(n_{ik} - n_s\quad1)!}{(j_i - j_{ik}\quad1)! \cdot \quad+j_{\;\;k} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i \quad \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\;\;+ j_{sa}^{ik} - l_{ik} - s)!}{\left(l_i + \quad - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s = n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\;_i l}^{(\;)} \sum_{(j_s=\;)}^{(\;)}$$

$$\sum_{j_{sa}^{i}}^{(\;)} \sum_{(j_i = s)}^{(\;)}$$

$$\sum_{n_i = n + \Bbbk \, (n_{ik})}^{n} \sum^{(\;)}_{(\;+1)} \sum_{n_s = \; + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - \;)!}{(n_i \; n - \Bbbk)! \cdot (n - s)!} \cdot$$

$$\frac{(\; - l_i)!}{(D \; s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + \;$ ∧

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \; ik - 1 \leq j_{ik} \; + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j \; < n \wedge$

$l_{ik} - j_{sa}^{ik} + \; = l_s \wedge l \; j_{sa}^{ik} - s > l_{ik}$

$l_i \leq D + s - n$

$D \geq \; < n \wedge I = \Bbbk > \;$ ∧

$j_{sa}^{ik} = j_{sa}^{i} - \; \wedge j_{sa}^{s} > j \; - 1 \wedge$

$s : \{ \; \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{l} \} \wedge$

$s > 3 \wedge s = \; + \Bbbk \wedge$

$\; \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{_i l - 1 \, (l_{ik} - k - j_{sa}^{ik} + 2)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ldots)}$$

$$\frac{(n_i\ldots-1)}{(j_s-2\ldots(n_i-n_{is}\ldots+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ldots 1)!}{(j_{ik}-j_s-1\ldots+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{\ldots-n_s-\ldots}{(j_i-\ldots-1)!\ldots_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\ldots-1)!}{(n_s\ldots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j\ldots+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(l_i-\ _il+1)} \sum_{(j_i=s)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - \quad)}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad - j_i)!}$$

$$\sum_{\quad = 1}^{(l_{ik} - k_{sa}^{ik} + 2)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} - 1}^{(\quad)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{\quad} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{\quad} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \quad_i \boldsymbol{l}}^{(\quad)} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(\quad)} \sum_{(j_i = s)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\quad)} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l_i}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i \quad k-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+\ \ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ \ s-\ )!}{(\ -\boldsymbol{n}-1)!\cdot(\ -s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\ \ k-1)!}{\ \ i-k+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ \ )!}{(D+j_i\ \ \boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$\ \ \ \ -j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum^{{}_i l - 1} \sum_{(j_s = j_{ik}}^{({}_{sa}^{ik} + 1)}
$$

$$
\sum_{{}_{ik}+1}^{j_i + \quad - s} \sum_{=\boldsymbol{l}_i + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}} + s - k \quad 1)}
$$

$$
\sum_{n_i = \quad \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{+1)}
$$

$$
\sum_{\mathbb{k}_2 - j_{ik} + 1}^{n_{is} + \quad - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{+j_{ik}+s-\Bbbk_2}$$

$$\frac{(\ - n_{is}\ - 1)!}{(j_s\ - 2)! \cdot (n_i\ - \ + 1)!} \cdot$$

$$\frac{(\ - n_{ik}\ - \Bbbk_1 - 1)!}{(\ _{ik} - j_s - 1)! \cdot (\ _{is} + j_s\ - \ _{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(\ - n_s - 1)!}{(\ - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\ )!}$$

$$\frac{(n_s-1\ )}{(n_s+j_i-\boldsymbol{n}-1)!\,(\ \boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}\ +j_{sa}^{ik}-\boldsymbol{l_{ik}}\ )}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})!\cdot(j_i\ \ )!}\cdot$$

$$\frac{(D-\ )!}{(D\ \ j_i-\ \ )!\,(\boldsymbol{n}-j_i)!}\ -$$

$$\sum_{k=1}^{D+\ \ s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \,\wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \,\wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f z^{j_{ik}} \sum \cdots \sum_{(\cdots j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i-\ +s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\ +\Bbbk\;(n_{is}=\boldsymbol{n}+\Bbbk-\ 1)}^{(n_i-\ +1)}$$

$$\sum_{n_{ik}=\ \Bbbk_2-j_{ik}+1}^{\ +j_s-j_{ik}-\Bbbk_1\ (n_{ik}+j_{ik}-j_i-\Bbbk_2)}\sum_{(\ _i+1)}$$

$$\frac{(\ -n_{is}-1)!}{(j_s-2)!\cdot(\ -n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-\ -\Bbbk_1-1)!}{(\ _{ik}-j_s-1)!\cdot(\ +j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ {}_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ {}_i\boldsymbol{l}+1)}$$

$$D > \pmb{n} < n$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{ik}=\pmb{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\pmb{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ )!}$$

$$\frac{(n_s - 1)}{(n_s + j_i - \pmb{n} - 1)! \ (\pmb{n} - j_i)!}$$

$$\frac{(\pmb{l} + j_{sa}^{ik} - \pmb{l}_{ik})}{(\pmb{l}_i + j_{sa}^{ik} - \pmb{l}_{ik})! \cdot (j_i \ )!} \cdot$$

$$\frac{(D -)!}{(D + j_i - \ )! \ (\pmb{n} - j_i)!} -$$

$$\sum_{k=1}^{D+ \ s - \pmb{n} - \pmb{l}_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\pmb{l}_i+\pmb{n}-D)}^{(\pmb{l}_s+s-k)}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \pmb{n} - I)! \cdot (\pmb{n} - s)!} \cdot$$

$$\frac{(\pmb{l}_s - k - 1)!}{(\pmb{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \pmb{l}_i)!}{(D + j_i - \pmb{n} - \pmb{l}_i)! \cdot (\pmb{n} - j_i)!}$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s \leq D - \pmb{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \,\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \,\wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \,\wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \,\wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \,\wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \,\wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \,\wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2 \cdots j_{ik} = \sum_{\cdots}^{\cdots} \sum_{(\cdots j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\cdots-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = \quad + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\quad = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk \quad 1)}^{(n_i \quad +1)}$$

$$\sum_{n_{ik} = \quad \Bbbk_2 - j_{ik} + \quad}^{n_{is} + j_s - j_{ik} - \Bbbk} \sum_{\quad}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \quad_{i+1)}$$

$$\frac{(\quad - n_{is} - 1)!}{(j \quad 2)! \cdot (\quad - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n \quad - \Bbbk_1 - 1)!}{(j_{ik} - j \quad 1)! \cdot (n \quad + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\quad)!}$$

$$\frac{(n_s-1\quad}{(n_s+j_i-\boldsymbol{n}-1)!\quad\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}\quad+j_{sa}^{ik}-\boldsymbol{l_{ik}}}{(\boldsymbol{l_i}+j_{sa}^{ik}\quad-\boldsymbol{l_{ik}})!\cdot(j_i\quad)!}\cdot$$

$$\frac{(D-\quad)!}{(D\quad j_i-\quad)!\quad\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\quad s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}\quad k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{\quad} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f^{\boldsymbol{z}}_{\cdots,j_{ik}} = \sum_{\cdots} \sum_{(\cdots,\, j_{sa}^{ik}+1)}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\cdots-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \ +s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum \sum^{(n_i + 1)}$$

$$\sum_{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - 1)}^{}$$

$$\sum \sum_{(n_{ik} = \ \Bbbk_2 - j_{ik} + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(\ - n_{is} - 1)!}{(j_s \ 2)! \cdot (\ - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ - \Bbbk_1 - 1)!}{(\ _{ik} - j_s \ 1)! \cdot (\ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \ _i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)!}$$

$$\frac{(n_s - 1)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l}_{} + j_{sa}^{ik} - \boldsymbol{l}_{ik})}{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik})! \cdot (j_i \quad)!} \cdot$$

$$\frac{(D -)!}{(D - j_i -)!)(\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+ -s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_{s} a-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\mathcal{P}_{?s?}^{?SD} = \sum_{?}^{l-1} \sum_{(?=2)}^{(l_i + \boldsymbol{n} - D - ?)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{?} - 1}^{(l_i - k + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=\,\,+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\boldsymbol{n}+\mathbb{k}\,(n_{is}=\boldsymbol{n}+\,\,+1)}^{n} \overset{(n_i\,\,+1)}{\underset{}{\sum}}$$

$$\sum_{n_{ik}\,\,+\mathbb{k}_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\,\,(n_{ik}+j_{ik}-j_i-\mathbb{k}_2} \sum^{j_i+1)}$$

$$\frac{\,\,-n_{is}-1)!}{(\,\,-2)! \cdot (\,\,-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-\,\,-\mathbb{k}_1-1)!}{(j_{ik}-\,\,-1)! \cdot (n\,\,+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(\,j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot \left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\,{}_il}^{(\,\,)} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i}-\,{}_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-\;)!}$$

$$\frac{(n_s-1}{(n_s+j_i-\boldsymbol{n}-1)!\;\;\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}\;+j_{sa}^{ik}-\boldsymbol{l}_{ik}}{(\boldsymbol{l}_i+j_{sa}^{ik}\;-\boldsymbol{l}_{ik})! \cdot (j_i\;)!} \cdot$$

$$\frac{(D-\;)!}{(D\;j_i-\;)!\;(\;\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l}_s+\;-\boldsymbol{l}_i} \sum_{(j_s=\boldsymbol{l}_i+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l}_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \land$$

$$D \ge \boldsymbol{n} < n \land I = \Bbbk > 0 \land$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} > j_{sa}^{ik} - 1 \land$$

$$\boldsymbol{s}: \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \land$$

$$s > 3 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\boxtimes_{js}^{SD} = \sum_{?}^{l-1} \sum_{(?=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{n+\Bbbk}^{n} \sum_{(n_{is} = n + 1)}^{(n_i + 1)}$$

$$\sum_{n_{ik} + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - 1} \sum_{(j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(- n_{is} - 1)!}{(- 2)! \cdot (- n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - - \Bbbk_1 - 1)!}{(j_{ik} - - 1)! \cdot (n + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k = {}_i l}^{()} \sum_{(j_s = 1)}^{()}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(l_i - {}_i l + 1)} \sum_{(j_i = l_i + n - D)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \,)!}$$

$$\frac{(n_s - 1\,}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\,\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l}\, + j^{ik}_{sa} - \boldsymbol{l}_{ik}}{(\boldsymbol{l_i} + j^{ik}_{sa} - \boldsymbol{l}_{ik})! \cdot (j_i\,\,)!} \cdot$$

$$\frac{(D - \,}{(D \, j_i - \,1)! \,\,\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s} - \,\boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j^{ik}_{sa} - 1} \sum_{(j_i = j_{ik} + s - j^{ik}_{sa})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j_i + j^{ik}_{sa} - s \wedge$

$j_{ik} + s - j^{ik}_{sa} \leq j_i \leq \boldsymbol{n} \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} \sum_{}^{i^{l-1}(\;\;+1)} \sum_{(j_s=2)}^{}$$

$$\sum_{= j_i + j_{sa}^{ik} - s}^{(l_s + s - k)} \sum_{(j_i = s+1)}^{}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i}^{(\boldsymbol{l_i}-k+1)}{}_{+s-k+1)}$$

$$\sum_{\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}}^{(n_i}{}_{+1)}{}_{+1)}$$

$$\sum_{n_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk} \sum_{}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2}$$
$${}_{+\Bbbk_2-j_{ik}} \quad {}_{j_i+1)}$$

$$\frac{\cdots - n_{is} - 1)!}{(\cdots - 2)! \cdot (\cdots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \cdots - \Bbbk_1 - 1)!}{(j_{ik} - \cdots - 1)! \cdot (n_{\cdots} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{(\boldsymbol{l_i}-{}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\quad)!}$$

$$\frac{(n_s-1\quad}{(n_s+j_i-\boldsymbol{n}-1)!\quad\boldsymbol{n}-j_i)!}$$

$$\frac{\left(l_{ik}-l_s-j_{sa}\quad\right)}{(l_{ik}-j_{ik}-\quad+1)!\cdot(j_{ik}-\quad)!}\cdot$$

$$\frac{(D-\quad)!}{(D-\quad j_i-\quad1)!\quad\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s+1)}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\,_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - s - \ \Bbbk)!}{(n_i - \boldsymbol{n} - \ \Bbbk) \cdot (\boldsymbol{n}-s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + s - \boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 2 \ \boldsymbol{s} = s + \Bbbk$

$\Bbbk_2 z = 2 \wedge \Bbbk \quad \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s }\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1 }{(\boldsymbol{l_s} - \quad k +)\quad -2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)\cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad }{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{i}^{l+1}} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(- 2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\boldsymbol{i}^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\quad)} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\quad-j_i)!}$$

$$\sum_{k=\ _il}^{(\ )}\sum_{(j_s=\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )}\sum_{(j_i=s)}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j\quad\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}<D-\boldsymbol{n}\quad 1\wedge$$

$$1\leq\quad\leq j_{ik}-j_{sa}^{ik}+\quad\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-\quad\leq j_i\leq\boldsymbol{n}\quad$$

$$\boldsymbol{l_{ik}}\quad^{ik}+1>\quad_i+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{ik}}\leq D+j\quad-\boldsymbol{n}\wedge$$

$$>\boldsymbol{n}\quad\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}=j_{sa}^i-1\wedge j_{sa}^s>j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\}\wedge$$

$$s>3\wedge\boldsymbol{s}=s+\Bbbk\wedge$$

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$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\ \ }^{n} \sum_{\ \ }^{(\ \ j_s+1)}$$

$$\sum_{\ \ }^{n_{is}+j_s-j\ \ \mathbb{k}_1} \sum_{\ \ }^{(n_{ik}+j_{ik}-j\ \ )}$$

$$\frac{(n_i - n_{is}\ \ }{(j_s-2)!\ \ (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}\ \ _{ik} - \mathbb{k}_1\ \ 1)!}{(j_{ik}\ \ j_s - 1)! \cdot (n\ \ + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{\ \ _{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\ )!}$$

$$\frac{(n_s-1\ }{(n_s+j_i-\boldsymbol{n}-1)!\ (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}\ }{(\boldsymbol{l_{ik}}-j_{ik}-\ +1)!\cdot(j_{ik}-\ ^k)!}\cdot$$

$$\frac{(D-\ )!}{(D\ _i-\ )!\ (\ \boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk) \cdot (\boldsymbol{n}-s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + s - \boldsymbol{l})! \cdot (\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{i}$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n}$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} \wedge$$

$$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$$

$$s > 3 \boldsymbol{s} = s + \Bbbk$$

$$\Bbbk_2 z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - } \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(\boldsymbol{l_s} - - k + 1)! \cdot - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{})!}{(D + j_i - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{=j_i+j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{=\boldsymbol{n}+\Bbbk_2-+1)}^{(n_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i \quad n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} \le D-\boldsymbol{n}+1 \wedge$

$1 \le j_s \le j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \le j_{ik} \le j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l}\quad \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \le D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}\quad 1 \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik}-\quad \wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s+\quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 +\quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k +)\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - \,)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{+ j_{sa}^{ik} - D - }^{l_i + j_{sa}^{ik} - \,s + 1} \sum_{= j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \mathbb{k}}^{n} \sum_{= n + \mathbb{k}_2 \ +1)}^{(\ +j_{ik} - \mathbb{k}_1 + \ )} \sum_{n_s = n - j_i + 1}^{- j_i - \mathbb{k}_2}$$

$$\frac{(n_i \ n_{ik} - \mathbb{k}_1 - 1)!}{(- 2)! \cdot (n - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum^{(\ )}_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ \ )!}$$

$$\frac{(D - \boldsymbol{l}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j^{ik}_{sa} + 1 \wedge j_s + j^{ik}_{sa} - 1 \leq j_{ik} \leq j_i + j^{ik}_{sa} - s \wedge$

$j_{ik} + s - j^{ik}_{sa} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j^{ik}_{sa} - s = \boldsymbol{l} \quad \wedge$

$D + j^{ik}_{sa} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j^{ik}_{sa} - \boldsymbol{n} \quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j^{ik}_{sa} = j^i_{sa} - 1 \wedge j^s_{sa} > j^{ik}_{sa} - \quad \wedge$

$\boldsymbol{s}: \{j^s_{sa}, \cdots, \Bbbk_1, j^{ik}_{sa}, \Bbbk_2, j^i_{sa}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j^{ik}_{sa}-D-s}^{\boldsymbol{l_i}+j^{ik}_{sa}-k-s+1} \sum_{(j_i=j_{ik}+s-j^{ik}_{sa})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(\boldsymbol{l_s} - - k + - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D -)}{(D + j_i \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_{i}l-1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{+ j_{sa}^{ik} - D -}^{\boldsymbol{l_i} + j_{sa}^{ik} - s + 1} \sum_{= j_{ik} + s - j_{sa}^{ik}}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{= \boldsymbol{n} + \Bbbk_2}^{(+ 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{- j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\, - 2)! \cdot (\, - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$$

$$\Bbbk_z : z \quad 2 \quad = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ - k - 1)}{(\boldsymbol{l_s} - \ - k + 1)! \cdot (\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ )}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{ik-s}^{} \sum_{(j_i=l_{ik}+s-D-j_{sa}^{ik})}^{\left(l_{ik}+s-_i l\ +1\right)}$$

$$\sum_{n_i=n+\Bbbk}^{(n+j_{ik}-\Bbbk_1+1)} \sum_{=n+\Bbbk_2-j\ +1)}^{-j_i-\Bbbk_2} \sum_{n_s=n-j_i+1}^{}$$

$$\frac{(n_i\ n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}_{\quad}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \quad (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}_{\quad} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z \quad 2 \quad = \Bbbk_1 + \quad \Rightarrow$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{\boldsymbol{l}-1}} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(l_s - k - 1)!}{(\boldsymbol{l_s} - l - k + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \cdots)}$$

$$\sum_{k=\cdots} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{\cdots = \boldsymbol{l_{ik}} + \boldsymbol{n} - \cdots}^{\boldsymbol{l_{ik}} - \cdots l + 1} \sum_{\cdots = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \cdots}^{n} \sum_{\cdots = \boldsymbol{n} + \Bbbk_2 \cdots + 1)}^{\cdots - j_i - \Bbbk_2} \sum_{n_s = \boldsymbol{n} - j_i + 1}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\cdots - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-l_{\quad}}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = \quad \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z \quad 2 \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \quad)}{(\boldsymbol{l_s} - \quad - k + \quad \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} \quad + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i} \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\quad =1}^{\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=l_{ik}+n-}^{l_{ik}-l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{=n+\Bbbk_2}^{(l_{ik}-\Bbbk_1+} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\ - 2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - \ )}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})\ (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}\ \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s\ {}_{sa} - 1 \leq\ \leq j_i\ {}^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s}\ D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik}\ {}^{ik}_{sa} +\ {}_s + j_{sa}^{ik} - 1 \leq\ \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i\ \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s\ 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s\ )\big) \wedge$

$D\ \ \ \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - \ \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}{:}\ (\ ,\Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z{:}z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(j_{ik}-j^{ik}_{sa}+1)}
$$

$$
\sum_{j_{ik}=j^{ik}_{sa}+1}^{j_i+j^{ik}_{sa}-s} \sum_{(j_i=s+\ldots)}^{(l_s+s-k)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ldots\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots}^{n_{is}+j_s-j_{ik}-\Bbbk_1\ldots+j_{ik}\ldots-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{}
$$

$$
\frac{(\ldots - n_{is}\ldots 1)!}{(j_s\ldots 2)!\cdot(n_i\ldots j_s+1)!}\cdot
$$

$$
\frac{(\ldots-n_{ik}\ldots\Bbbk_1-1)!}{(\ldots j_{ik}-j_s-1)!\cdot(\ldots n_{is}+j_s\ldots n_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(\ldots-n_s-1)!}{(\ldots-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j^{ik}_{sa}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j^{ik}_{sa}+1)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}+j^{ik}_{sa}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j^{ik}_{sa}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(l_s-k+1)}
$$

$$
\sum_{j_{ik}=j^{ik}_{sa}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}} - \,_i l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i} - \,_i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}$$

$$\frac{(D -)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{} \sum_{(j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - \;)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{\;} \leq j_i + j_{sa}^{ik} - \;$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \;\; 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{s\;} - 1 \leq j_{ik} \leq \;\; + j_{sa}^{ik} - s \wedge$

$j_{ik} + \;\; - j_{sa}^{ik} \leq j_i \;\;\; \wedge$

$\boldsymbol{l}_{\;\;} s + 1 > \;\;\;\wedge$

$\boldsymbol{l}_i \;\; D + s - \boldsymbol{n})) \;\;$

$\;\; \geq \boldsymbol{n} \;\;\;\; \wedge I = \Bbbk > \;\;\;$

$j_{sa}^{ik} = j_{\;a}^{i} - 1 \;\;\;\;\; a - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \ldots\;\;\;, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$\;\; > 3 \wedge \boldsymbol{s}\;\;\; s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_{ik}+1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1+1)!}{(j_{ik}-j_s-1)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_i-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s -)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - - 1)!}{(- j_s - + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (- j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + - j_i - \boldsymbol{l})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_i\boldsymbol{l}} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}} - _i\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i} - _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \;\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\; - j_i)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} + \;)}$$

$$\sum_{j_{\;} = \;^{ik}_{sa} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \;_i \boldsymbol{l}} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - \;)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{\;} \leq j_i + j_{sa}^{ik} -\;$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \;\; 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{s\;} - 1 \leq j_{ik} \leq \;\; + j_{sa}^{ik} - s \wedge$

$j_{ik} + \;\; - j_{sa}^{ik} \leq j_i - \;\; \wedge$

$\boldsymbol{l}_{\;} \; s + 1 > \;\;$

$\boldsymbol{l}_i \; D + s - \boldsymbol{n})) \;$

$\;\; \geq \boldsymbol{n} \;\; \wedge I = \Bbbk > \;\;$

$j_{sa}^{ik} = j_{\;}^{i} - 1 \;\; - 1 \wedge$

$\boldsymbol{s}{:} \{j_{sa}, \ldots, \; j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$\;\; > 3 \wedge \boldsymbol{s} \; s + \Bbbk \wedge$

$\Bbbk_z{:} z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk+1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\;_il}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\;_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\;_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n})} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} - 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (- j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}})!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}) \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(+ j_i - \boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1} \sum_{(j_s = 2)}^{ - k + 1}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \boldsymbol{_i l}} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i}^{n}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)! \cdot (\boldsymbol{n}-s)} \cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\ \boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{s}^{l} - 1 \wedge$

$\boldsymbol{s}: \{j_s^s, \cdots, \Bbbk_1, j_{sa}, \cdots, j_{sa}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \quad \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)! \cdot (n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_s-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_i l-1} \quad \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \quad \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ldots)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ldots-1)!}{\ldots-j_s-\ldots+\ldots\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\ldots-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ldots-j_i-\ldots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\ _il+1}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i}-\ _il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \quad\right)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\quad - j_i)!}$$

$$\sum_{k=}^{D+l_s+s-\boldsymbol{n}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} +)}^{(\quad)}$$

$$\sum_{\quad j_i + j_{sa}^{ik} - s}^{(l_s + s - k)} \sum_{(j_i = l_i + \boldsymbol{n} - D)}^{\quad}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{\quad} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$((\quad \geq \boldsymbol{n} \quad n \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j \quad - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_i}^{j_{sa}, SD} = \sum_{k=1}^{l - l - k - j_{sa}^{ik} + 1)} \sum_{(j_s=2)}$$

$$\sum_{ik = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} -)}$$

$$\sum_{k=1}^{i} \sum_{=2)}^{(l_s - k + 1)}$$

$$\sum_{+j_{sa}^{ik} - k +}^{l_{ik}} \sum_{=j_{ik} + s - j_{sa}^{ik})}^{(l_i} $$

$$\sum_{n_i - k}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{+1)}$$

$$\sum_{n_{is} - j_{ik} - \Bbbk_2 - j_{ik} + 1}^{-j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-\ _il+1}\sum_{(\ \boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i-\ _il+\right.}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\ (n_{ik}=\boldsymbol{n}+\Bbbk}^{n}\sum_{ik+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j}^{n_{ik}+j-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n-n_s-1)!}{(j_i-j-1)!\cdot(n+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s-j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_{ik}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(\ k+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{n}\sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \;)!}$$

$$\frac{(D - \boldsymbol{l}\;}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \;(\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}\;\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1\;\wedge$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_{s}\;sa - 1 \leq\;\leq j_i\;^{ik}\;$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s}\;\wedge$

$D + s - \boldsymbol{n}\;\boldsymbol{l_i} \leq D\;\; + s - \boldsymbol{n} - 1)\;$

$D \geq \boldsymbol{n} < n \wedge I =\;> 0 \wedge$

$j_{sa}^{ik} =\;- 1 \wedge j_{sa}^s > j\;- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots,\;^{ik}\;_{sa}, \Bbbk_2, j\;\wedge$

$s\;= s + \Bbbk \wedge$

$\Bbbk_z : z = 2\;\;= \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_{} - j_{} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_{})} \cdot$$

$$\frac{(n_{} - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - - j_{sa}^{ik} + 1\right)!}{(+ \boldsymbol{l_{ik}})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - } \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1}{(\boldsymbol{l_s} - - k + - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} - s}{(j_{ik} + \boldsymbol{l_i} - - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\,_il+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{) } \sum^{j_{sa}^{ik})}$$

$$\sum^{(n_i - j_s + }_{n + \Bbbk (n)} \sum^{(n + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{-j_{ik} - \Bbbk_1} \sum^{-n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \quad D - n \quad 1 \wedge$

$1 \leq j \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \leq j_i \leq n \wedge$

$l_{ik} - \quad + 1 = l_s \quad l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i > D + l_i \quad + s - n - j_{sa}^{ik} \wedge$

$\quad n \quad \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

344 $\qquad$ $D > \boldsymbol{n} < n$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=l_i+\boldsymbol{n}-D}^{(l_i-k+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{}^{(\ \ j_s+1)}
$$

$$
\sum_{n_{is}+j_s-}^{} \sum_{}^{(n_{ik}+j_{ik}-}
$$

$$
\frac{(n_i - n_{is}}{(j_s-2)\ \ (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is}\quad_{ik} - \mathbb{k}_1 \quad 1)!}{(j_{ik}\quad j_s - 1)! \cdot (n\ +j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ \ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-\ _il+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-)!}$$

$$\frac{(n_s-1}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l_{ik}})}{(\boldsymbol{l_i}+j_{sa}^{ik}-s-\boldsymbol{l_{ik}})!\cdot(j_i)!}\cdot$$

$$\frac{(D\boldsymbol{l_i})!}{+j_i(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq \leq j_i+j_{sa}^{ik}-$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j-s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i}-1 \wedge j_{sa}j_{sa}^{ik}-1 \wedge$

$sj_{sa}^{s}, \cdots, \Bbbk_1, \Bbbk_2, j_{sa} \wedge$

$s > \wedge \boldsymbol{s} = s+\Bbbk$

$\Bbbk_z: z = \wedge \Bbbk = \Bbbk_1 + \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{()}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}$$

$$\frac{(n_s - \dots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - \dots - 1)!}{(\dots - j_s + \dots)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - \dots - \boldsymbol{l}_{ik})! \cdot (\dots + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + \dots - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \quad \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-k+1} \quad \sum_{(j_i=\boldsymbol{l}_{ik}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!}$$

$$\frac{(\quad)!}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k= \quad}^{D + \boldsymbol{l_s} + s - \quad} \sum_{(j \quad + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} \quad + j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$> \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$D > \boldsymbol{n} < n$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}
$$

$$
\sum_{j_{ik} = \boldsymbol{l}_s + n_{ik} - D - 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l}_i + l_{ik})}^{(\boldsymbol{l}_s - k)}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = n_i - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = n_{is} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(\ \ 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - \ _s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}
$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \; \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \; \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \; \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk+1)!}{(j_{ik}-j_s-1)!\,(j_i-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_i-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(l_i+j_{sa}^{ik}-l_{ik}-s\right)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \; \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \; \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \; \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \; \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \;\cdots\;)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik}\;\cdots\;j_{ik} - s)!}$$

$$\frac{(\cdots)!}{(D + \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdots j_i)!} +$$

$$\sum_{\cdots}^{D-\cdots 1} \sum_{\cdots}^{(\;)}_{\cdots(\cdots + l_s - l_{ik})}$$

$$\sum_{j_{ik} = \boldsymbol{l}\cdots + j_{sa}^{ik} - D - s}^{l_{ik}\cdots 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\,(n_{is}=}^{\boldsymbol{n}} \sum^{(n_i+1)}_{+1)}$$

$$\sum_{n_{ik}=n_{is}}^{\ } \sum_{j_{ik}-\Bbbk_1}^{(\ )} {}_{-j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i \, -I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} \, -j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \; D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} \; j_{sa}^{ik} + 1 \; j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \; \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{?} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} \; j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \; I = \Bbbk > \; \wedge$

$j_{sa}^{ik} \; j_s - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \; j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$\boldsymbol{s} \; = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \qquad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!}\cdot$$

$$\frac{(n_i - n_{ik} - \Bbbk \quad 1)!}{(j_{ik}-j_s-1) \quad (n_i - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(\quad -n_s - \quad)}{(j_i - \quad -1)! \quad (n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s \quad j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_i+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\qquad k - 1)}{(\boldsymbol{l_s} - \qquad - k + 1) \qquad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} - s)!}{(j_{ik} + \boldsymbol{l_i} - \qquad)! \cdot (j_i + \qquad k - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\quad + \boldsymbol{l_s} + s - } \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}}^{DOS} \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{\left(l_i + \boldsymbol{n} - j_{sa}^{ik} + 1\right)}^{\left(l_i + \boldsymbol{n} - D - s\right)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}}^{\left(l_i - k + 1\right)} \sum_{\left(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{\left(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1\right)}^{\left(n_i - j_s + 1\right)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{\left(n_s = \boldsymbol{n} - j_i + 1\right)}^{\left(n_{ik} + j_{ik} - j_i - \Bbbk_2\right)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = \ldots + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\boldsymbol{n} + \Bbbk (n_{is} = \boldsymbol{n} + \ldots + 1)}^{n \quad (n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - \ldots (n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots \quad (\ldots j_i + 1)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n \ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - \boldsymbol{n} - l_i} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_{\ })}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I\,)\cdot(\boldsymbol{n}-s\,)}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-\ )}{(\boldsymbol{l_s}-j_s\ \ 1)!\cdot\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\ -\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\ )}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1\ \ j_{ik} \leq j_i\ \ ^{ik}-s\ \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i}-1 \wedge j_{sa}^{s} > j_{sa}^{ik}-\ $

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk_1,j_{sa}^{ik},\ ,j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ +\Bbbk \wedge$

$\Bbbk_z:z=2 \wedge \Bbbk = \ +\Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1\quad)!}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{ik}}\quad)}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+\quad} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-s+1)}^{(l_i-k+1)}$$

$$\sum_{j_{ik}=j_s+l_{ik}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_{ik}+\Bbbk \ (n_{is}=n+\Bbbk-j_s+1)}^{(\quad j_s+1)}$$

$$\sum_{=n_{is}+j_s \qquad k-\Bbbk_1 \ (n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \quad \wedge l_s > D - \quad + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} \quad {}^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} \quad s - \quad {}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + \quad > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge s = s + \Bbbk \wedge$$

360 $\qquad D > \boldsymbol{n} < n$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{(\boldsymbol{l_s}+s-k)}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{=\boldsymbol{n}+j_s+1)}^{(j_s+1)}
$$

$$
\sum_{=j_{ik}+1}^{n_{is}+j_s-\Bbbk_1} \sum_{=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-k_2)}
$$

$$
\frac{(n_i - n_{is})}{(j_s-2)(n_i-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n_{is}n_{ik}-\Bbbk_11)!}{(j_{ik}j_s-1)! \cdot (n_{}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot
$$

$$
\frac{(_{ik}-n_s-1)!}{(j_i-j_{ik}1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot \left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-\cdots)!}{(n_s+j_i-\boldsymbol{n}-\cdots-j_i)!}$$

$$\frac{(\cdots-k-1)!}{(\cdots-j_s-\cdots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\cdots-j_{sa}^{ik}+1)!}{(\cdots+\boldsymbol{l_{ik}}-\cdots)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S^{DO}_{ik, j_i} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n})}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} - j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} - k - s + 1} \sum_{(j_i = j_{ik}, \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$D > \boldsymbol{n} < n$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-k)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{(n_i\quad s-I)!}{(n_i\quad)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\quad_s-k-1)!}{(\quad -j_s\quad+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\quad j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n}\quad\quad\wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}\quad 1 \leq j_{ik} \leq\quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq\quad \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 >\quad \wedge \boldsymbol{l_i} + \quad - s = \boldsymbol{l}\quad \wedge$

$D \leq\quad < n \wedge I = \Bbbk\quad 0 \wedge$

$\quad_{sa}^{l} = j_{sa}^{l}\quad 1 \wedge j_{sa}^{s} > j_s\quad - 1 \wedge$

$\boldsymbol{s}: \{j_s^s\quad\cdots, \Bbbk_1, j_s\quad\quad_{sa}\} \wedge$

$s > 3 \wedge \boldsymbol{s}\quad\quad s + \Bbbk \wedge$

$\quad: z = 2\quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\,(n_i-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_i-n_s-1)!}{(j_i-1)!\,(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad k + 1)! \cdot \quad 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{\quad=1}^{\boldsymbol{l_s}+s-\boldsymbol{n}-} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\sum^{ \,+1\ (j_{ik}-j_{sa}^{ik}+\ )}_{ } \sum_{ }^{(\ +\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}= \ }^{ \ j_{ik}-l_i\ (l_s+s-k)} \sum_{ }^{(j_i = l_{ik}+n+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n}+\Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n}+\Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \ldots s - k + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik})}$$

$$\sum_{=\boldsymbol{n} + \Bbbk \ (n_{is} = \ldots + 1)}^{n} \sum^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik} \ldots}^{n_{is} + j_s - j_{ik} - \ldots} \sum_{(\ldots - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk \ldots)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n_{\ldots} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)\cdot(\boldsymbol{n}-s)} \cdot$$

$$\frac{(l_s-k-\ )}{(l_s-j_s-\ 1)!\cdot(\ -2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\ -l_i)!\cdot(\boldsymbol{n}-\ )!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i + \ ^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - \ \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \ , j_{sa}^{i}\} \wedge$

$s > 3 \wedge s = \ + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \ + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - ?)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - ? - 1)!}{(? - j_s - ? + ?)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (? - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + ? - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = l_s + \boldsymbol{n} - D)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \qquad{}^{ik}_{sa} + 1)!}$$

$$\frac{()!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \qquad j_i)!} -$$

$$\sum_{k= \qquad}^{D + \boldsymbol{l_s} + s \qquad} \sum_{(\qquad j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{= \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \qquad ik - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\qquad \geq \boldsymbol{n} \qquad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$D > \boldsymbol{n} < n$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
\begin{aligned}
_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = & \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_s + \boldsymbol{n} - D)}^{(l_{ik} + \boldsymbol{n} - D -\,)} \sum_{j_{ik} = \,\cdots\, \boldsymbol{n} - D}^{l_{ik} - k\, \cdots\, 1} \sum_{(j_i = j_{ik} + l_i \,\cdots\,)} \\
& \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum^{(n_i - j_s + 1)}_{(\,\cdots\, - j_s + 1)} \sum_{n_{ik} = \,\cdots\, \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - \,\cdots\, \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} \\[4pt]
& \frac{(n_i - n_{is} - 1)!}{\cdots\,2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot \\[4pt]
& \frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \cdots s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot \\[4pt]
& \frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot \\[4pt]
& \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot \\[4pt]
& \frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot \\[4pt]
& \frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot \\[4pt]
& \frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} + \\[4pt]
& \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = l_{ik} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(l_s - k + 1)}
\end{aligned}
$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\ )}$$

$$\frac{(n_i\ -1)\ }{(j_s-2\ )\ (n_i-n_{is}\ +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ -1)!}{(j_{ik}-j_s-1\ \ +j_s-n\ -j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{-n_s\ }{(j_i\ -1)!\ (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(\ -1)!}{(n_s\ j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(l_{ik}-l_s-j_{sa}^{ik}+1\right)!}{(j\ \ l_{ik}-j_{ik}-l_s)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{\left(j_s=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n}\quad)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} -)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} \phantom{) (j_i + j_{sa}^{u} - s)!}} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{ \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{\substack{i^{l-1}}}$$

$$\sum_{\substack{\boldsymbol{l_{ik}} +1 \\ =j_{sa}^{ik}+1}} \sum_{(j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}}^{(\quad -\,_i l+1)} \sum$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n}^{n} \sum_{\boldsymbol{n}+\Bbbk_2}^{(n_i-j_{ik}-\Bbbk_1)} \sum_{-j_i+1}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - \quad - \Bbbk_1 - 1)!}{(j_{ik} - 2 \quad (n_i - \quad - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\quad - n_s - 1)!}{-j_{ik} - 1 \quad (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=s+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{n} \sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l_i})\quad}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\quad-j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\ \ }^{n}\sum_{(n_{ik}=n_i-\quad\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D-\boldsymbol{n} \quad 1 \wedge$$

$$1 \leq \quad \leq j_{ik}-j_{sa}^{ik}+\quad \wedge j_s+j_{sa}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+s-\quad \leq j_i \leq \boldsymbol{n} \quad$$

$$\boldsymbol{l_{ik}} \quad +1 = \quad +j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \leq D+\quad \boldsymbol{n} \wedge$$

$$\quad > \boldsymbol{n} \quad \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i-1 \wedge j_{sa}^s > j_{sa}^{ik}-1 \wedge$$

$$\boldsymbol{s}:\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s+\Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1+\Bbbk_2 \Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S^{DOSD}_{j_s,\,j_{ik},j_i} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{\ \ }+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}\ \ -\Bbbk_2)}$$

$$\frac{(\ \ -n_{is}\ \ 1)!}{(j_s\ \ 2)!\cdot(n_i\ \ \ \ _s+1)!}\cdot$$

$$\frac{\ \ -n_{ik}\ \ \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\ \ n_{is}+j_s\ \ n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ \ -n_s-1)!}{(\ \ -j_{ik}-1\ \ )\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\;-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\;-j_{i}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}\;-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}\;+j_{ik}-n_s-j\;)}\cdot$$

$$\frac{(\qquad)}{(n_s\;+j_i-\boldsymbol{n}\qquad-j_i)!}\cdot$$

$$\frac{(\qquad-k-1)!}{(\quad-j_s-\boldsymbol{n}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+\qquad-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\quad j\quad-\;k)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\;_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\boldsymbol{l}_i-\;_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{\;}^{_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{j_{ik} = j_{\;}^{ik} - s}^{(\;-k)} \sum_{(j_i = s+1)}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{\;} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\;+j_s+1)}$$

$$\sum_{= n_{is} + j_{\;} - \Bbbk_1}^{\;} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \;_i\boldsymbol{l}}^{\;} \sum_{(j_s = 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{\;} \sum_{(j_i = s)}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\;)} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{\;}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - n \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$s : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}}^{DOSL} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{l_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k = \ _i l}^{(\ )} {}_{(j_s}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\left(l_i - \ _i l + 1\right)} \sum_{(j_i = s)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk \ (n_{ik}= }^{n} \sum_{\Bbbk_2 - j_{ik}+1)}^{-j_{ik}-\Bbbk_1} \sum_{n_s = \boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{- n_{ik} - \Bbbk_1 - 1)!}{j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-\quad)}{(\boldsymbol{l_s}-j_s\quad 1)!\cdot\quad-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}\quad \boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)}-$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i\ +\Bbbk} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{(\quad)}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<\quad \boldsymbol{l_s}\leq D-\quad+1\wedge$$

$$1\leq\quad j_{ik}-j_{sa}\quad+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_s\quad\leq j_i\leq\boldsymbol{n}\wedge$$

$$\quad\quad 1=\boldsymbol{l_s}\wedge \boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}>j_{sa}^{ik}-1\wedge$$

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$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} + l_s - l_{ik}}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^s}^{l_s + j_{sa}^{ik} - k} \sum^{(\ -k+1)}$$

$$\sum_{=\boldsymbol{n} + \Bbbk}^{(n_i - j_s + ...)} \sum^{(=\boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{=\boldsymbol{n} + \Bbbk_2 - j_{...}}^{n_{is} \quad -j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(\quad -j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \quad)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - \quad_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \, _il} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{\left(l_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-\boldsymbol{n}-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}-\boldsymbol{l}_{ik}-s)!}{(\boldsymbol{l}_i+j_{sa}-j_i-\boldsymbol{l}_{ik})!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{\,_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\,\,)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\,\,)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\,\,)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$D > \boldsymbol{n} < n$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}\ -j_i-\Bbbk_2}$$

$$\frac{(\ \ -\ )!}{(\ -\boldsymbol{n}-\ \Bbbk)!\ \ -s)!} \cdot$$

$$\frac{-\boldsymbol{l}_i)!}{\ s-\boldsymbol{n}-\ )!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{\ }\ s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik}\ \ > \boldsymbol{l}_{ik}$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = \ _{sa} - 1 \wedge j_{sa}^s > \ ^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{\ }\ _2, j_{sa}^i\}\ $

$s > \ \ \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2\ \ = \Bbbk_1 + \Bbbk\ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i l-1} \sum_{(j_s=2)}^{(\boldsymbol{l}_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l}_{ik}-\boldsymbol{l}_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ -j_s\ +\ )(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}\ \boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j\ \boldsymbol{l_{ik}})!\cdot(\ +j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\ -\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = 2)}^{\left(l_{ik} - k - j_{sa}^{ik} + 2\right)}$$

$$\sum_{j_{ik} = j_i + l_{ik} - l_s}^{\quad} \sum_{\quad}^{\left(j_{sa}^{ik}\right)}$$

$$\sum_{\quad}^{\quad} \sum_{\quad}^{(n_i - j_s + 1)}$$

$$\sum_{\quad}^{\quad} \sum_{\quad}^{(n_{ik} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{\quad} \sum_{\quad}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l}^{\quad} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{\quad} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{\quad}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{\Bbbk_z} S_{j_s, j_{ik}}^{DO} = \sum_{k=1}^{\boldsymbol{l_i} - 1 (l_s - k + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}}^{(l_i - k + 1)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\ }^{\ } \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\ }^{(\ +1)} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ -j_{ik}-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-\ +1)}^{\ -j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\ }$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\ - 2)! \cdot (\ - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{(\ )} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad - j_i)!}$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=n}^{n} \sum_{(n_{ik}=n_i-j\quad\Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} \quad 1 \wedge$$

$$1 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \quad \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - \quad + 1 = \quad + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} \quad \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$\quad > \boldsymbol{n} \quad \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}_{}k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{+j_{ik}-\Bbbk_2}$$

$$\frac{(\ -n_{is}\ 1)!}{(j_s\ 2)!\cdot(n_i\ _s+1)!}\cdot$$

$$\frac{(\ -n_{ik}\ \Bbbk_1-1)!}{(_{ik}-j_s-1)!\cdot(n_{is}+j_s\ n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(\ -n_s-1)!}{(\ -j_{ik}-1)\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-j_i-\boldsymbol{n}-j_i)!}{(n_s-j_i-\boldsymbol{n}-j_i)!}$$

$$\frac{(-k-1)!}{(-j_s-\boldsymbol{n}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+j-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+j-j_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\,_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i-\,_i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{\left(\boldsymbol{l_i}+j_{sa}^{ik}-j_i-\boldsymbol{l_{ik}}\right)!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j\ldots)}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}}\ \sum_{(j_s=j_{\ldots}-\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{\ldots=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+\ldots+1)}\ \sum_{\ldots(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\ldots}$$

$$\sum_{n_{\ldots}+\Bbbk}^{\ldots(\ldots_s+1)}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\ldots}$$

$$\sum_{=n_{is}+j_{\ldots}-\Bbbk_1}^{(\quad)}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\ldots\geq\boldsymbol{n}\ \ldots\wedge\boldsymbol{l_s}\leq D-\ldots+1\wedge$

$1\leq j_\ldots\leq j_{ik}\ \ldots\ j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_\ldots^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\ldots=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa}^{ik}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^i-1\wedge j_{sa}^s>j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\right\}\wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{j_i + j_{sa}^{ik} - s} \sum_{(\ \ \ \ + n - D)}^{(\boldsymbol{l_s} + s - k)}
$$

$$
\sum_{n_i \ \ \Bbbk\ (n_{is} = \boldsymbol{n} + \Bbbk - j\ \ )}^{(n_i - \ \ -1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n}\ \ -j_{ik}+1\ (n\ \ \ \ _i +1)}^{(\ \ + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n\ \ n_{is} - 1)!}{(j_s\ \ 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n\ \ - \Bbbk_1 - 1)!}{\ \ j_s\ \ )! \cdot (\ \ _s + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \quad - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \quad - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} \quad n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} \quad j_{ik} - n_s - j \quad)!} \cdot$$

$$\frac{(\quad)}{(n_s \quad j_i - \boldsymbol{n} \quad - j_i)!} \cdot$$

$$\frac{(\quad - k - 1)!}{(\quad - j_s - \quad 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \quad - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \quad - \quad)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i - \ _i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=j_i+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_i+}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(k)}$$

$$\sum_{}^{(j_s+1)} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{}$$

$$\sum_{k=n_{is}+j_s}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \quad s - \quad^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$$D > \boldsymbol{n} < n$$

$$s > 3 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(j_i + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}
$$

$$
\sum_{n_i \ \Bbbk}^{\ } \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s)}^{(n_i - 1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n} \ - j_{ik} + 1}^{j_{ik} - \Bbbk_1} \sum_{(n_s \ j_i + 1)}^{+ j_{ik} - j_i - \Bbbk_2}
$$

$$
\frac{(n \ n_{is} - 1)!}{(j_s \ 2)! \cdot (n_i \ n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n \ - \Bbbk_1 - 1)!}{(\ - j_s \ )! \cdot (\ _s + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}
$$

$$
\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(-k-1)!}{(-j_s-\boldsymbol{n}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+j_{sa}^{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_l \cdots \boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{\boldsymbol{l}+\boldsymbol{n}+j_{sa}^{ik}-D}^{\boldsymbol{l_{ik}} \cdots +1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{\cdots+\Bbbk (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{\cdots j_s+1)}$$

$$\sum_{\cdots=n_{is}+j_s \cdots -\Bbbk_1 (n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)} \sum^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \cdots \wedge \boldsymbol{l_s} \leq D - \cdots + 1 \wedge$

$1 \leq j_s \leq j_{ik} \cdots^{ik} + \cdots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \cdots + s - \cdots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \cdots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(\ldots j_i + \boldsymbol{n} - D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i \ldots \Bbbk}^{\ldots} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j\ldots)}^{(n_i - \ldots 1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}\ldots-j_{ik}+1}^{\ldots-j_{ik}-\Bbbk_1} \sum_{(n_s \ldots_i+1)}^{\ldots+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_{\ldots} - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n - \Bbbk_1 - 1)!}{(\ldots - j_s \ldots)! \cdot (\ldots_s + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_s - \boldsymbol{n} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_i - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{sa}^{ik} - j_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i} - \,_i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + l_s + s - \boldsymbol{n} - l_i} \sum_{(j_s = j_i + l_s - l_{ik})}^{(\ )}$$

$$\sum_{l + \boldsymbol{n} + j_{sa}^{ik} - D}^{l_s + j_s - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i + \mathbb{k}}^{} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\ n_s + 1)}$$

$$\sum_{= n_{is} + j_{sa} \ldots k - \mathbb{k}_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \ldots \wedge \boldsymbol{l_s} \leq D - \ldots + 1 \wedge$$

$$1 \leq j_{\ldots} \leq j_{ik} \ldots^{ik} \ldots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \ldots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ldots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^i \right\} \wedge$$

404 $\quad\quad D > \boldsymbol{n} < n$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{(l_i + \boldsymbol{n} - D - s)}
$$

$$
\sum_{j_{ik} = j_s + l_{ik} - l_s} \sum_{( )}^{(l_i - k + 1)} {}_{(i + \boldsymbol{n} - D)}
$$

$$
\sum_{( )} \sum^{(n_i - + 1)}_{n + \Bbbk \, (n_{is} = \boldsymbol{n} + \Bbbk -)}
$$

$$
{}_{+ j_s - j_{ik} - \Bbbk_1} \quad {}_{ik + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\sum_{n_{ik} = - j_{ik} + 1} \sum_{( )}^{( )_i + 1)}
$$

$$
\frac{(n - n_{is} - 1)!}{(j_s - 2)! \cdot (n_{ } - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ } - \Bbbk_1 - 1)!}{(_{ik} - j_s - 1)! \cdot (_{ } + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}
$$

$$
\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(l_i - k + 1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \;\; \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \;\; \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n\ldots - j_s + 1)\ldots}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \ldots - j_\ldots - \Bbbk_1)!}\cdot$$

$$\frac{(n_{ik} \ldots n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik}\ldots j_{ik} - n_s - j\ldots)\ldots}\cdot$$

$$\frac{(\ldots \ldots)}{(n_s \ldots j_i - \boldsymbol{n} \ldots - j_i)!}\cdot$$

$$\frac{\ldots - k - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i + \ldots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \ldots \ldots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}\cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\;_i\boldsymbol{l}} \;\; \sum_{(j_s=1)}^{(\;\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \;\; \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\;_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \;\; \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \;\; \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!}\cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - s + 1)}^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 2)} \sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}}^{} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{} \sum_{n_i = \dots + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\dots + 1)} \sum_{= n_{is} + j_{\dots} - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \dots \wedge \boldsymbol{l_s} \leq D - \dots + 1 \wedge$

$1 \leq j_{\dots} \leq j_{ik} - \dots + \dots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - \dots^k \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{\dots}} - j_{sa}^{ik} + \dots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{} \sum_{}^{(l_i-k+1)}$$

$$\sum_{}^{(n_i-\ +1)}$$

$$\sum_{} \mathbb{k} \ (n_{is}=\boldsymbol{n}+\mathbb{k}-\ )$$

$$\sum_{n_{ik}=\ }^{} \sum_{}^{}$$

$$\frac{(n\ -n_{is}-1)!}{(j_s-\ 2)! \cdot (n\ -n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n\ -\mathbb{k}_1-1)!}{(\ -j_s-\ 1)! \cdot (\ +j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n\ -j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s\ -j_{\ }-\Bbbk_1)!}$$

$$\frac{(n_{ik}\ -n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}\ +j_{ik}-n_s-\ )}$$

$$\frac{(\ n\ -\ )}{(n_s\ +j_i-\boldsymbol{n}\ -\ -j_i)!}$$

$$\frac{\ -k-1)!}{(\ -j_s-\ +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+\ -\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ -j_{\ -\ })! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - l_i} \sum_{(j_s = l_i + \boldsymbol{n} - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{} \sum_{(j_s + 1)}$$

$$\sum_{} \sum_{n + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j_{s} - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)} \sum$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \quad \land \boldsymbol{l_s} \leq D - \quad + 1 \land$$

$$1 \leq j_s \leq j_{ik} \quad + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \land$$

$$j_{ik} \quad + s - \quad^{ik} \leq j_i \leq \boldsymbol{n} \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \land$$

$$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} > j_{sa}^{ik} - 1 \land$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \land$$

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$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-} \sum_{(j_i=s+1)}^{(l_s+s-}$$

$$\sum \sum^{(n_i-+1)}$$

$$\sum_{n_{ik}=+\Bbbk} \sum^{(n_{is}=\boldsymbol{n}+\Bbbk-)}$$

$$\sum^{j_s-j_{ik}-\Bbbk_1} \sum^{k+j_{ik}-j_i-\Bbbk_2)}$$

$$\sum_{n_{ik}=-j_{ik}+1} \sum^{_i+1)}$$

$$\frac{(-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n-\Bbbk_1-1)!}{(j_k-j_s-1)! \cdot (+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\ }-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_{\ }-j_{\ }-\Bbbk_1)!}$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{\ }+j_{ik}-n_s-\ )}\cdot$$

$$\frac{(n_{\ }-\ )}{(n_s+j_i-\boldsymbol{n}-\ -j_i)!}$$

$$\frac{(\ -k-1)!}{(\ -j_s-\ +1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{(\ +\boldsymbol{l_{ik}}-\ )!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=s)}^{\left(l_i-\ _i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{}^{{}_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i - l_i}^{(\ - k)} \sum_{(j_i = s + 1)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,\, \Bbbk,\, j_i}^{D,\, D} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + \boldsymbol{l}_i - \boldsymbol{l}_{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l-k+1)}$$

$$\sum_{j_{ik} = l_s - j_{ik} - k + 1}^{k+1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i l}^{(\quad)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_i l+1} \sum_{(j_i=j_{ik}+l_i-1)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\ldots 1)!}{(j_{ik}-2)!\cdot(n_i-\ldots_{ik}-j_{ik}-\ldots 1)!}\cdot$$

$$\frac{(n_{ik}-n_s\ldots 1)!}{(j_i-j_{ik}\ldots 1)\cdot(\ldots_{ik}+j\ldots-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1\ldots)}{(n_s+j_i\ldots\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\ldots-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i\ldots\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k= {}_i l} \sum_{(j_s=}^{(\ )}$$

$$\sum_{} \sum_{i=s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk\ (n_{ik} \quad +1)}^{n} \sum_{}^{(\ )} \sum_{n_s = \ +j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - \ )!}{(n_l \quad \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\ - \boldsymbol{l_i})!}{(D \quad s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + \quad \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \quad {}^{ik} - 1 \leq j_{ik} \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j \quad \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{\quad} + \quad \boldsymbol{l_s} \wedge \boldsymbol{l} \quad j_{sa}^{ik} - s = \boldsymbol{l_{ik}}$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \quad$

$D \geq \quad n \wedge I = \Bbbk \quad \wedge$

$j_{sa}^{ik} = j_{sa}^i - \quad \wedge j_{sa}^s > j \quad - 1 \wedge$

$\boldsymbol{s}: \{ \quad \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \} \wedge$

$s > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\quad \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \quad \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\qquad-1)}{(j_s-2\ )\ (n_i-n_{is}\ +1)!}$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ -1)!}{(j_{ik}-j_s-1\ \qquad +j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{\ -n_s\ }{(j_i-\ \ -1)!\ (n_{ik}+j_{ik}-n_s-j_i)!}\cdot$$

$$\frac{(\ -1)!}{(n_s\ \ j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\ \ \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _il}^{\ } \quad \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \quad \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \quad \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!}$$

$$\sum_{k=1} \sum_{(j_s =)}^{-1 \,(-k+1)}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l} \sum_{(j_s = 1)}^{()}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{()} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{n}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(l_i - k + 1)} \sum_{(j_i = \boldsymbol{l_s} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_il}\sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\sum_{(j_i=l_i+n}^{(l_i-_il+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik}=n+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s}^{n_{ik}+j_{ik}-j_i-\Bbbk}{}_{-j_i+1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_i-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_i-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-n-I)!\cdot(n-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\qquad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \quad \sum_{(j_s = 2)}^{{}_i{}^{l-1} \, (\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} \quad +j_{sa}^{ik} - k + 1}^{\boldsymbol{l_i} + j_{sa}^{ik} \quad s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \; _i l} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}- \; _i l-s+1} \sum_{(j_i = \; + \boldsymbol{l_i}-l_{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+ \; _{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}- \; +1}^{n_{ik}+ \; -j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \; - 1)!}{(j_{ik} - 2 \; (n_i \; -j \; -\Bbbk_1 + 1)!} \cdot$$

$$\frac{(\; - n_s - 1)!}{(j_i - \; - 1)! \cdot \; + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s \; j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\; _{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-l_{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \;)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \; - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \; (j_{ik} - j_s - \; + 1)!} \cdot$$

$$\frac{(\quad \boldsymbol{l_i})!}{\; - \boldsymbol{n} - \; \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=\;}^{\; l-1} \sum_{\;=\boldsymbol{l_i} + \boldsymbol{n} - D - s + 1}^{(\;)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + \;^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n\,^{ik}_{sa}-D-s}^{l_i+j_{sa}^{ik}-\,_il-s+1} \sum^{\quad l_{ik}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(\quad=\boldsymbol{n}+\Bbbk_2\quad+1)}^{n} \sum^{(n_i-j_{ik}-\Bbbk\quad)} \sum_{\quad-j_i+1}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - \quad - \Bbbk_1 - 1)!}{(j_{ik} - \quad)! \cdot (n_i - \quad - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\quad_k - n_s - 1)!}{\quad_i - j_{ik} - 1\, \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\quad)} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s \;)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 }{(\boldsymbol{l_s} - \quad - k + 1 \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \ldots)}$$

$$\sum_{k=\ldots} \sum_{(j_s = 1)}^{(\ \ )}$$

$$\sum_{\ldots -\boldsymbol{l_i}} \sum_{(j_i = \boldsymbol{l_{\ldots}} + s - D - j_{sa}^{ik})}^{\left(l_{ik} + s - \ldots\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk_{\ldots}} \sum_{\ldots = \boldsymbol{n} + \Bbbk_2 - \ldots}^{\ldots - j_i - \Bbbk_2} \sum_{n_s = \boldsymbol{n} - j_i + 1}$$

$$\frac{(n_i \ldots n_{ik} - \Bbbk_1 - 1)!}{\ldots - 2)! \cdot (\ldots - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{\left(j_s = j_{ik} - j_{sa}^{ik} + 1\right)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}} \sum_{\left(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik}\right)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad\wedge$

$\Bbbk_z: z = 2 \wedge \quad= \Bbbk_1 + \quad\Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k +) \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{ik}})}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk_1}^{n} \sum_{n_{ik}=n+\Bbbk_2}^{(j_{ik}-\Bbbk_1)} \sum_{n_s=n-j_i+1}^{(n_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}\quad}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\quad(\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z \quad 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s }{} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - k + 1)(\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad }{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{=1}^{\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{n_k=\boldsymbol{n}+\Bbbk_2}^{(j_{ik}-\Bbbk_1} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l} \quad \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^i - 1 \wedge j_{sa}^s > j_{sa}^{ik} - \quad$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\Bbbk_2,j_{sa}^i\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(\boldsymbol{l_s} - - k + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} -)! \cdot (j_i + _{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \,_i\boldsymbol{l}} \sum_{(j_s = 1)}^{()}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{\left(l_i - \,_i \boldsymbol{l} + 1 \right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} > j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$j_{s}^{DOSD}{}_{,j_{ik},j_i} \sum_{}^{{}_i \boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{{}_k - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=\,\,_{ik}+\boldsymbol{n}-D}^{l_{ik}-\,_i l+1} \quad \sum (\quad\quad\, \boldsymbol{l_{ik}})$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\quad=\boldsymbol{n}+\quad+1)}^{(n_i-j_{ik}-\mathbb{k}_1)} \sum_{\quad=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - \quad - \mathbb{k}_1 - 1)!}{(j_{ik} - \quad)! \cdot (n_i - \quad - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(\quad\,_k - n_s - 1)!}{(\quad_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}\big) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}\big)\big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = 0$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}-1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -\,)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\,\,k - 1)!}{(\boldsymbol{l_s} -\,- k + 1)!\,(\,- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l}\, - s)!}{(j_{ik} + \boldsymbol{l_i} -\,)! \cdot (j_i +\,^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i -\boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{+\boldsymbol{l_s}+s-} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f z \ldots = \sum_{}^{D \ldots - 1} \sum_{(\ldots - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik} = \ldots + \boldsymbol{n} + j_{sa}^{ik} - D - 1}^{\ldots j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_{ik}+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_{ik}=\ldots+\Bbbk}^{n} \sum_{(n_{is}=n+\ldots+1)}^{(n_i\ldots+1)}$$

$$\sum_{n_{ik}=\ldots\Bbbk_2-j_{ik}\ldots}^{n_{is}+j_s-j_{ik}-\ldots} \sum_{(\ldots_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2\ldots)}$$

$$\frac{(\ldots - n_{is}-1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n\ldots - n_{ik} - 1)!}{(\ldots - j_s - 1)\ldots (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_s)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k - \ )}{(l_s - j_s - 1)! \cdot (- 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - l_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + \quad^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=l_{ik}+\boldsymbol{n}-D}^{l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\quad-\Bbbk_2)!}$$

$$\frac{(n_s-\quad)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\quad_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\quad-1)!}{\quad-j_s\quad+\quad(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}\quad\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_\quad\boldsymbol{l_{ik}})!\cdot(\quad+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\quad-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_{ik}}-k+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k=}^{D+\boldsymbol{l_s}+s-} \sum_{(\quad -j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i} \quad +j_{sa}^{ik}-D-s}^{\boldsymbol{l_{ik}}-} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$> \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s \cdots -j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=l_s+\boldsymbol{n} \cdots _{ik}-D-1}^{l_i+\boldsymbol{n}+j_{sa}^{ik} \cdots s-1} \sum_{(j_i=l_i \cdots)}^{(\ \ _{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk \, (n_{is} \cdots)}^{n} \sum^{(n_i-j_s+1)}_{\cdots -j_s+1}$$

$$\sum_{n_{ik}=\boldsymbol{n} \cdots _2 -j_{ik}+1}^{n_{is}+j_s-j_{i\cdots} \cdots _1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(\cdots_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\cdots_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_{\ }+\ )}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-\ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ )}$$

$$\frac{(n_i\ \ -1)}{(j_s-2)\ \cdot (n_i-n_{is}\ \ +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}\ \ 1)!}{(j_{ik}-j_\ \ )\cdot (n_{is}+j_s\ -n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}\ \ -\Bbbk_2-\ )}{(j_i-j_{ik}-\ )!\cdot (n_{ik}\ \ -n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s\ j_i-\boldsymbol{n}-1)!\cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(\ \ +\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l}_{\ })!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}_{\ } \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}:\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$ {}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} }$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1) \quad (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \quad s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} \quad (j_i + j_{sa}^{\quad} \quad - s)!} \cdot$$

$$\frac{(\quad \boldsymbol{l_i})!}{\quad \boldsymbol{n} \quad \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{i_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1}^{(\quad \quad +2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - 1}^{} \sum_{}^{j_{sa}^{ik})}$$

$$\sum_{}^{(n_i - j_s + 1)} \sum_{}^{}$$

$$\sum_{}^{} \sum_{}^{\Bbbk \, (n_{ik} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{j_{ik} - \Bbbk_1} \sum_{}^{n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \quad D - n \quad \wedge$

$2 \leq j_s \quad j_{ik} - j_{sa}^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \quad \leq j_i \leq n \wedge$

$l_{ik} \quad + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \quad I = \Bbbk > 0 \wedge$

$j \quad \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}\ldots} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}\ldots j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{\ldots} - 1)!}{(j_s - 2)! \cdot (n_{\ldots} - n_{\ldots} j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{\ldots} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - \ldots - \Bbbk_2 - 1)!}{(j_i - j_{\ldots} - 1)! \cdot (n_{\ldots} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-\;)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\;\;_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\;\;-1)!}{\;\;(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}\;\;\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j\;\;\boldsymbol{l_{ik}})!\cdot\;\;+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\;-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{l_s+s-\boldsymbol{n}-l_i}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s}^{SD}{}_{,j_i} = \sum_{k=1}^{-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s + k + n - D)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}}^{} \sum_{(j_i = l_s + s - k + 1)}^{}$$

$$\sum_{}^{(j_s + 1)} \sum_{n + \Bbbk \, (n_{is} = n + \Bbbk - j_s + 1)}^{}$$

$$\sum_{n_{ik} = n_{k2} - j_{ik} + 1}^{(n_{is} - j_{ik} - \Bbbk_1)} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$D > \boldsymbol{n} < n$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+\boldsymbol{n}-\ )}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}= \ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{ =n_{ik}+j_{ik}-j_i- }^{(\ )}$$

$$\frac{(n_i \quad s-I)!}{(n_i \qquad (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D \quad j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \quad 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \quad \wedge$

$\boldsymbol{l_i} \quad - j_{sa}^{ik} + 1 \quad \wedge \boldsymbol{l_i} + \quad^{ik} - s = \boldsymbol{l} \quad \wedge$

$D \quad \boldsymbol{n} < n \wedge I = \Bbbk \quad 0 \wedge$

$\quad_a^{ik} < j_{sa}^{i} \quad 1 \wedge j_{sa}^{s} = j_s \quad - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s} \quad \Bbbk_1, j_{sa}^{ik}, \quad \quad_a\} \wedge$

$s \quad 3 \wedge \boldsymbol{s} \quad s + \Bbbk \wedge$

$\Bbbk_2: z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\quad-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\quad-1)}{(j_s-2)\quad(n_i-n_{is}\quad+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}\quad 1)!}{(j_{ik}-j_s\quad)\,(n_{is}+j_s\quad n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}\quad-\Bbbk_2-1)}{(j_i-j_{ik}\quad)!\cdot(n_{ik}\quad-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s\quad j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j\quad\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + \quad \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} \quad + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad l_i \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\quad + \boldsymbol{l_s} + s - \boldsymbol{n} \quad} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$P^{SD} = \sum_{}^{n+1} \sum_{(l_s + n - D)}^{(l_i + n - D -\,)}$$

$$\sum_{j_{ik} = \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{-\boldsymbol{n}+\Bbbk \ (n_{is}=\boldsymbol{n})}^{n} \sum^{(n_i +1)}$$

$$\sum_{n_{ik} +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-} \sum_{(\quad -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(- n_{is} - 1)!}{(-2)! \cdot (- n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n - n_{ik} - 1)!}{(-j_s-1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(l_s-k-\ )}{(l_s-j_s-\ )!\cdot(\ -2)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\ -l_i)!\cdot(\boldsymbol{n}-\ )}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \ j_{ik} \leq j_i + \ ^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \ $

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \ , j_{sa}^{i}\} \wedge$

$s > 3 \wedge s = \ + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \ + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad{}^{ik}_{sa} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k= \quad}^{D + \boldsymbol{l_s} + s - \quad} \sum_{(\quad - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j \quad}^{(\boldsymbol{l_s} + s - k)} \sum_{(j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik})}^{\quad}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{\quad} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad > \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$\qquad D > \boldsymbol{n} < n$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}{:}\left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z{:}\, z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(l_s+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik})}
$$

$$
\sum_{j_{ik}=l_s+\boldsymbol{n}-D}^{l_s+j^{ik}} \sum_{(j_i=j_{ik}+s)}^{}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is})}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}-j_{ik}+1}^{n_{is}+j_s-j_i} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(n_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(n_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=l_s+\boldsymbol{n}-D)}^{(l_s-k+1)}
$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{n} \sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1\ (n_s\ldots-j_i+1)}^{n_{is}+j_s-j_{ik}-\Bbbk_1\ (n_{ik}+j_{ik}-j_i-\Bbbk)} \sum$$

$$\frac{(n_i\ldots-1)}{(j_s-2\ldots(n_i-n_{is}\ldots+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}\ldots1)!}{(j_{ik}-j\ldots(n_{is}+j\ldots-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}\ldots-\Bbbk_2-\ldots)}{(j_i-j_{ik}\ldots)!\cdot(n_{ik}\ldots j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n\ldots-1)!}{(n_s\ldots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j\ldots\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{n} \sum^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1\ (n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)} \sum^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \ \ )}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(l_{ik} + \boldsymbol{n} - D - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{\quad}^{(\boldsymbol{l_s} - k + 1)} {}_{(j_s \quad \quad - j_{sa}^{ik} + 1)}$$

$$\sum_{\quad = j_s + j_{sa}^{ik} - 1}^{\quad k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i \quad +s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{\quad \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} \quad +1)}^{(n_i \quad +1)}$$

$$\sum_{n_{ik} = n_{is} + \quad j_{ik} - \Bbbk_1} \sum_{(\quad \quad j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i \quad - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} \quad j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$

$2 \quad j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad j_i + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \quad \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_s \quad + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \quad j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \quad \Bbbk = \Bbbk > \quad \wedge$

$j_s^{ik} \quad j_s \quad -1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, \quad \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > \quad \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{i}.)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - - \Bbbk_2)!}$$

$$\frac{(n_s -)!}{(n_s + j_. - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - .)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - -1)!}{-j_s - . + . (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{.} - \boldsymbol{l_s})! \cdot (. - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + . - \boldsymbol{l_{ik}} - s)!}{(j_{ik} . - j_i - \boldsymbol{l}.)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S_{j_{ik},j_i}^{DO} = \sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = l_i + n - D)}^{(l_i - k + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + \ldots\right)}$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!}$$

$$\frac{(D \cdots)!}{(D + j_i \cdots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\cdots j_i)!} +$$

$$\sum_{\cdots}^{\cdots +1} \sum_{\cdots}^{(\boldsymbol{l_s} - k + 1)}_{(\cdots + \boldsymbol{n} - D)}$$

$$\sum_{j_{ik} \cdots + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} \cdots +1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{\left(j_s = j_{ik} - j_{sa}^{ik} + 1\right)}^{(\ )}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{\ }^{\ }$$

$$\sum_{\ }^{(n_i - j_s + 1)} \sum_{\ }^{\ }$$

$$\sum_{n_{ik}=n_{is}+j_{ik}-\Bbbk_1}^{\ } \sum_{\ }^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \ldots D - n + \ldots \wedge$

$2 \leq j_s \ldots j_{ik} - j_{sa}^{ik} + 1 \ldots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa} \ldots j_i \leq n$

$l_{ik} \ldots + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \ldots I = \Bbbk > 0 \wedge$

$j_s \ldots - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z \colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$D > \boldsymbol{n} < n$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\ldots+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=\boldsymbol{n}-j_i+\ldots)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - \ldots - 1)!}{(\ldots -2)! \cdot (\ldots - n_{\ldots} - j_s + 1)!}$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (\ldots + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - \ldots - \Bbbk_2 - 1)!}{(j_i - \ldots - 1)! \cdot (\ldots + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\,}-j_s+1\,)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{\,}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\,)!}{(n_s-j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(-k-1)!}{(-j_s-\,+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\,-j_{sa}^{ik}+1\right)!}{(\,+\boldsymbol{l_{ik}}\,-\,)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!}\cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}\,\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -}$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}) \cdot (j_i + j_{sa}^{ik} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{\boldsymbol{n} - \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{l - 1}$$

$$\sum_{ik = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} + 1} \sum_{(j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i l} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}}^{\left({}_i l + 1\right)}$$

$$\sum_{n_s = \boldsymbol{n} + \Bbbk \,(\quad)}^{n} \sum_{(\quad)}^{(n_i - j_{ik} - \Bbbk_1 \quad)} \sum_{\quad}^{n_{ik} + j_{ik} - j_i \quad}$$

$$\frac{(\quad - n_{ik} - 1)!}{(\quad - 2)! \cdot (\quad - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i - \quad - 1)! \cdot (\quad + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = 1}^{{}_i l - 1} \sum_{\left(j_s = j_{ik} - j_{sa}^{ik} + 1\right)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{\left(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{\left(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1\right)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ )!}$$

$$\frac{(D-\boldsymbol{l_i})\ }{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\ -j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j\ \Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad<D-\boldsymbol{n}\quad 1\wedge$$

$$1\leq\quad\leq j_{ik}-j_{sa}^{ik}+\quad\wedge j_s+j_{sa}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j\quad\leq j_i\leq\boldsymbol{n}\ \wedge$$

$$\boldsymbol{l_{ik}}\quad\quad^{ik}+1=\quad\quad+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_i}\leq D+s\quad\boldsymbol{n}\wedge$$

$$>\boldsymbol{n}\quad\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s=j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>3\wedge\boldsymbol{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$D > \boldsymbol{n} < n$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\ +j_{ik}-\Bbbk_2)}$$

$$\frac{(\ -n_{is}-1)!}{(j_s-2)! \cdot (n_i-\ +1)!} \cdot$$

$$\frac{(n_{is}-\ -1)!}{(j_{ik}-j_s+\ )! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (\ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n\ \ -j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ \ )!}{(n_s\ \ j_i-\boldsymbol{n}\ \ -j_i)!} \cdot$$

$$\frac{(\ \ -k-1)!}{(\ \ -j_s-\ \ +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i+\ \ -\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\ \ )! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\ \sum_{(j_i=s)}^{(\boldsymbol{l}_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum^{_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i \dots - s}^{\dots - k} \sum_{(j_i = s+1)}^{(\ )}$$

$$\sum_{n_i \dots \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\ +1)}$$

$$\sum_{= n_{is} + i \dots k - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \ _i l}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{\boldsymbol{l}-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{\left(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n \quad k - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l} - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+\quad-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(\quad s-\quad)!}{(\quad-\boldsymbol{n}-1)!\cdot(\quad-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s\quad k-1)!}{(\quad_i-k+\quad)!\cdot(j_s-2)!}$$

$$\frac{(D-\quad)!}{(D+j_i\quad\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \quad \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$\quad\quad j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{}^{{}_{i}l-1} \sum_{(j_s=j_{ik}}^{{}_{sa}^{ik}+1)} \sum_{}^{{}_{sa}^{ik}-k} \sum_{=j_{sa}^{ik}+1}^{(l_i-k}{}_{=j_{ik}+s-j_{sa}^{ik})} \sum_{n_i=}^{n} \sum_{}^{+1)}{}_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)} \sum_{{}_{\Bbbk_2-j_{ik}+1}}^{n_{is}+ \ -j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=)}^{\left(l_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\,-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}\quad)!}{(j_{ik}-2)!\quad(\,-n_{ik}-j_{ik}\quad1)!}\cdot$$

$$\frac{(\quad-n_s-\Bbbk_2\quad1)!}{(\,-j_{ik}-1)!\,(n_{ik}\quad-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\quad+j_{sa}^{ik}-l_{ik}-s)!}{(l_i+\quad-j_i-l_{ik})!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{\,_il-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i l}^{(\ )} \sum_{(j_s=\ )}$$

$$\sum_{j_{sa}^{i}}^{(\ )} \sum_{(j_i=s)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{ik}\ \ \ j_{ik}\ \ +1)}^{n} \sum^{(\ )} \sum_{n_s=\ \ +j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - \ \ \ )!}{(n_i\ \ \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\ \ - \boldsymbol{l_i})!}{(D\ \ s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} +$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + \ \ j_{ik}\ \ - 1 \leq j_{ik} \leq \ \ + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j\ \ < \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \ \ = \boldsymbol{l_s} \wedge \boldsymbol{l_i}\ \ j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}$

$D \geq \ \ < n \wedge I = \Bbbk > \ \ \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - \ \ \wedge j_{sa}^{s} = j^{\ \ } - 1 \wedge$

$\boldsymbol{s}: \{\ \ \ , j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = \ \ + \Bbbk \wedge$

$\ \ \ \ \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i l-1} \sum_{(j_s=2)}^{\left(\boldsymbol{l_{ik}}-k-j_{sa}^{ik}+2\right)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s - j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \quad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik} \quad 1)!}{(j_{ik}-j \quad (n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik} \quad -\Bbbk_2 \quad)}{(j_i-j_{ik} \quad)! \cdot (n_{ik} \quad j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s \quad -1)!}{(n_s \quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j \quad +\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot \left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{\left(l_i-\ _i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - \ )!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\ - j_i)!}$$

$$\sum_{(j_s = 2)}^{(l_{ik} - k_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1}^{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\boldsymbol{l_i} - \boldsymbol{_i l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk \,(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i \quad_k - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\boldsymbol{_i l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+\ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ \ s-\ )!}{(\ -\boldsymbol{n}-1)!\cdot(\ -s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s\ k-1)!}{(\ \ i-k+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ \ )!}{(D+j_i\ \boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$$D \ge \boldsymbol{n} < \ \ \boldsymbol{l}_s \le D - \boldsymbol{n} + 1 \wedge$$

$$\ \ -j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \le j_{ik} \le j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+s-j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i+j_{sa}^{ik}-s > \boldsymbol{l}_{ik} \wedge$$

$$D+s-\boldsymbol{n} < \boldsymbol{l}_i \le D+\boldsymbol{l}_s+s-\boldsymbol{n}-1 \wedge$$

$\quad\quad D > \boldsymbol{n} < n$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum^{{}_i l-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}
$$

$$
\sum_{{}^{ik}_{sa}+1}^{j_i + \cdots - s} \sum_{=\boldsymbol{l}_i + \boldsymbol{n} - D)}^{(\boldsymbol{l}_{ik} + s - k - \cdots 1)}
$$

$$
\sum_{n_i = \cdots k}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{+1)}
$$

$$
\sum_{\cdots \Bbbk_2 - j_{ik}+1}^{n_{is}-\cdots-j_{ik}-\Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{+j_{ik}-\Bbbk_2}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_s + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\,_i\boldsymbol{l}+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s - 1}{(n_s + j_i - \boldsymbol{n} -1)! \; (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}}}{(\boldsymbol{l_i}+j_{sa}^{ik} - \boldsymbol{l_{ik}})! \cdot (j_i \quad)!} \cdot$$

$$\frac{(D - }{(D - j_i - 1)! \; (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \;s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2 \; _{ik} \sum \sum^{(\quad)} _{j_{sa}^{ik}+1}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i - \ \ + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{}^{(n_i \ \ + 1)} \quad (n_{is} = \boldsymbol{n} + \Bbbk - \ \ 1)$$

$$\sum_{n_{ik} = \ \ \Bbbk_2 - j_{ik} + 1}^{+ j_s - j_{ik} - \Bbbk_1} \sum_{}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)} {}_{(\ \ _i + 1)}$$

$$\frac{(\ \ - n_{is} - 1)!}{(j_s \ \ 2)! \cdot (n \ \ n_{is} - j_s + 1)!}$$

$$\frac{(n \ \ - n_{ik} - 1)!}{(j_{ik} \ \ j_s - 1 \ \ \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \ {}_i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1}{(n_s+j_i-\boldsymbol{n}-1)!\,(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l}_{ik}}{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})! \cdot (j_i}{)!} \cdot$$

$$\frac{(D-}{(D+j_i-\boldsymbol{n}-1)!\,(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+j_s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2\ldots l_{ik} = \sum \sum_{(j_{sa}^{ik}+1)}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\ldots-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_{ik} - k + 1} \sum_{(j_i = \ + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\ =n+\Bbbk (n_{is} = n + \Bbbk \ \ 1)}^{\ \ (n_i \ +1)}$$

$$\sum_{n_{ik} - \ \Bbbk_2 - j_{ik} + \ }^{n_{is} + j_s - j_{ik} - \Bbbk \ (n_{ik} + j_{ik} - j_i - \Bbbk_2)}\sum_{\ }^{\ _i + 1)}$$

$$\frac{(\ - n_{is} - 1)!}{(j \ 2)! \cdot (\ - n_{is} - j_s + 1)!}$$

$$\frac{(n \ - n_{ik} - 1)!}{(j \ - j_s - 1) \ (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k = {}_i l}^{(\ )} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{(l_i - {}_i l + 1)} \sum_{(j_i = l_i + n - D)}$$

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$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l_{ik}}}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})! \cdot (j_i}$$

$$\frac{(D-}{(D-j_i-)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\quad s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}\quad k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{\quad} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \;\wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \;\wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \;\wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \;\wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \;\wedge$$

$$\boldsymbol{s}:\left\{ j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \;\wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \;\Rightarrow$$

$$f2(j)_{jik} = \sum_{\ \ }^{\ \ }\ \sum_{(\,\cdots = j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\cdots-D-s-1}\ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \ +s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - \ \ 1)}^{(n_i \ \ +1)}$$

$$\sum_{n_{ik} = \ \mathbb{k}_2 - j_{ik} + 1}^{+ j_s - j_{ik} - \mathbb{k} \ (n_{ik} + j_{ik} - j_i - \mathbb{k}_2)} \sum^{\ i + 1)}$$

$$\frac{(\ - n_{is} - 1)!}{(j_s \ 2)! \cdot (n \ n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ - n_{ik} - 1)!}{(j_{ik} \ j_s - 1)! \ (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \ _i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - \ _i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})!}{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})! \cdot (j_i)!} \cdot$$

$$\frac{(D)!}{(D+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+j_{sa}-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_{s}-j_{sa}^{k}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$D > \boldsymbol{n} < n$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\Psi_{js}^{osD_i} = \sum_{\ldots}^{l-1} \sum_{(k=2)}^{(l_i + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = j_s + j_{sa} - 1}^{(l_i - k + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1}\;\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\;\sum_{(j_i+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n+\Bbbk\,(n_{is}=\boldsymbol{n}+\;\;+1)}^{n\;\;\;(n_i\;\;+1)}$$

$$\sum_{n_{ik}\;\;+\Bbbk_2-j_{ik}\;\;}^{n_{is}+j_s-j_{ik}-\;\;(n_{ik}+j_{ik}-j_i-\Bbbk_2\;\;}\;\sum^{(\;\;j_i+1)}$$

$$\frac{-n_{is}-1)!}{(\;\;-2)!\cdot(\;\;-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n\;\;-n_{ik}-1)!}{(\;\;-j_s-1)\;\;(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\;\;_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k={}_i\boldsymbol{l}}\;\sum_{(j_s=1)}^{(\;\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\;\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-{}_i l+1)}$$

510    $D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})!}{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})! \cdot (j_i)!} \cdot$$

$$\frac{(D-1)!}{(D+j_i-1)! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l}_s+\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=\boldsymbol{l}_i+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l}_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \land$$

$$D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \land j_{sa}^s = j_{sa}^{ik} - 1 \land$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \land$$

$$s > 3 \land \boldsymbol{s} = s + \mathbb{k} \land$$

$$\mathbb{k}_z: z = 2 \land \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$P_{js}^{sD} = \sum_{j_s=1}^{l-1} \sum_{(l_s=2)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\mathbb{k}_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = \ldots + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{\ldots \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \ldots + 1)}^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik} \ldots}^{n_{is} + j_s - j_{ik} - \ldots} \sum_{\ldots j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ldots - n_{ik} - 1)!}{(\ldots - j_s - 1) \ldots (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(l+j_{sa}^{ik}-l_{ik})!}{(l_i+j_{sa}^{ik}-l_{ik})!\cdot(j_i)!}\cdot$$

$$\frac{(D-)!}{(D+j_i-)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+l_s-n-l_i}\ \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\ \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge l_s\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} \sum_{}^{l-1\,(+1)} \sum_{(j_s=2)}^{}$$

$$\sum_{=j_i+j_{sa}^{ik}-s}^{(l_s+s-k)} \sum_{(j_i=s+1)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\boldsymbol{n}+\Bbbk\,(n_{is}=\boldsymbol{n}+1)}^{n\quad(n_i+1)}$$

$$\sum_{n_{ik}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}\quad(n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{(\;j_i+1)}$$

$$\frac{(\; - n_{is} - 1)!}{(\; - 2)! \cdot (\; - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n\; - n_{ik} - 1)!}{(\; - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - {}_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}}^{(\;)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{(l_i - {}_il+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa})!}{(\boldsymbol{l_{ik}} - j_{ik} - 1)! \cdot (j_{ik} - j^k)!} \cdot$$

$$\frac{(D - 1)!}{(D - j_i - 1)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \ \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \ \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \ \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k={}_i\boldsymbol{l}} \ \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)\cdots\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\ \ \ \boldsymbol{l_i})!\cdots(\boldsymbol{n}-s)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{s}^{i\ }\ \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^s = j_{sa}^{ik}\ \ \ \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3\ \ \boldsymbol{s} = s + \Bbbk\ $

$\Bbbk_2\ z = 2 \wedge \Bbbk\ \ \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \,)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad_k - 1)}{(\boldsymbol{l_s} - \quad - k + 1)\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad_{ik})}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{l} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{=n+\Bbbk_2-+1)}^{(j_{ik}-\Bbbk_1+} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}_i)}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot \quad - j_i)!}$$

$$\sum_{k= \ _i\boldsymbol{l}} \sum_{(j_s=\ )}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=} \sum_{(n_{ik}=n_i-j \quad \Bbbk_1+1)}^{n} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geqq \boldsymbol{n} < n \wedge \boldsymbol{l}_s < D - \boldsymbol{n} \quad 1 \wedge$

$1 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - \quad \leq j_i \leq \boldsymbol{n} \quad$

$\boldsymbol{l}_{ik} - \quad + 1 > \quad + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D + \quad - \boldsymbol{n} \wedge$

$\quad > \boldsymbol{n} \quad \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\ }^{n} \sum_{(\ \ +j_s+1)}^{(\ \ \ j_s+1)}$$

$$\sum_{\ }^{n_{is}+j_s-\ \ \Bbbk_1} \sum_{\ }^{(n_{ik}+j_{ik}-j\ \ )}$$

$$\frac{(n_i - n_{is}\ \ )}{(j_s-2)!\ (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(\ \ _s - n_{ik}\ \ 1)!}{(j_{ik} - j_s - 1)!\ (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik}\ \ _s - \Bbbk_2 - 1)!}{(\ \ j_{ik}-1)!\cdot(n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)!\cdot(\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)!\cdot(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})!\cdot(j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\cdot(\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il}^{(\ \ )} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa})!}{(\boldsymbol{l_{ik}} - j_{ik} - l + 1)! \cdot (j_{ik} - j^k)!}$$

$$\frac{(D - l)!}{(D - j_i - l)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk) \cdot (\boldsymbol{n}-s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + s - \boldsymbol{l})! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n}$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik}$

$\boldsymbol{s}: \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \quad \boldsymbol{s} = s + \Bbbk$

$\Bbbk_2 z = 2 \wedge \Bbbk \quad \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - } \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)}{(l_s - - k + - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D -)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=j_i+j_{sa}^{}}^{} \sum_{(j_i=l_i+n-D)}^{(l_i \ \ 1)}$$

$$\sum_{n_i=n+\Bbbk}^{(n_{ik}-\Bbbk_1+1)} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i \ \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}_{\quad}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\,(\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n}\quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \quad \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - }\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad - k - 1)}{(\boldsymbol{l_s} - \quad - k + 1) \quad - 2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s=2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{( )} \sum_{(j_s=1)}$$

$$\sum_{+j_{sa}^{ik}-D-}^{\boldsymbol{l_i}+j_{sa}^{ik}-s+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{( )}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{=\boldsymbol{n}+\Bbbk_2 \ +1)}^{(\ +j_{ik}-\Bbbk_1+} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i \quad {}_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{( )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{( )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\quad(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n}\quad 1 \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} < j_{sa}^i - 1 \land j_{sa}^s = j_{sa}^{ik} - \quad \land$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \land$

$s > 3 \land \boldsymbol{s} = s + \quad \land$

$\Bbbk_z : z = 2 \land \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1}\sum_{(j_s=2)}^{\boldsymbol{l_i}+\boldsymbol{n}-D-s}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - }\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1}{(l_s - - k + 1) \cdot - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \phantom{l_{ik}})}{(D + j_i - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{l_i + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{n+j_{sa}^{ik}-D-}^{l_i+j_{sa}^{ik}-\ -s+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{i=n+\Bbbk_2 \ +1)}^{(\ -j_{ik}-\Bbbk_1+\ )} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2\ ) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk\,(}^{n} \sum_{n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-\;)!}$$

$$\frac{(D-l_i)}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \ge \boldsymbol{n} < n \wedge l_s \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l\quad \wedge$

$D + s - \boldsymbol{n} < l_i \le D + l_s + s - \boldsymbol{n} - 1$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} -\quad$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s +\quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_il-1}\;\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}\;\sum_{(j_i=l_{ik}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad)}{(D + j_{\quad} - n - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{ik=s}^{} \sum_{(j_i=\boldsymbol{l}+s-D-j_{sa}^{ik})}^{(l_{ik}+s-\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i + j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l}\quad \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i}-1 \wedge j_{sa}^{s} = j_{sa}^{ik}-\quad$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^{i}\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s+\quad \wedge$

$\Bbbk_z : z\quad 2 \wedge\quad = \Bbbk_1+\quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - k + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - k + 1}^{l_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{=l_{ik}+n-}^{l_{ik}+l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=n+\Bbb{}}^{(l_{ik}-\Bbb{k}_1+)} \sum_{=n+\Bbb{k}_2+1)}^{} \sum_{n_s=n-j_i+1}^{-j_i-\Bbb{k}_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{n_s - \Bbb{k}_2 - 1)!}{(j_i \quad {}_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=n+\Bbb{k}}^{n} \sum_{(n_{is}=n+\Bbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ \ )!}$$

$$\frac{(D - \boldsymbol{l}\ }{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\ \ \wedge$

$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} - \ \ $

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ \wedge$

$\Bbbk_z : z\ \ 2\ \wedge\ \ = \Bbbk_1 + \ \ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - }$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(k - 1)}{(\boldsymbol{l_s} - - k + 1) \cdot - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \cdot (j_{ik} - - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \phantom{l_{ik}})}{(D + j_i - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{=1}^{l-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -)!}$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{\boldsymbol{l_{ik}}-l+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{=\boldsymbol{n}+\Bbbk_2 \quad +1)}^{(\ \ _{ik}-\Bbbk_1+} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2 \ \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_{i} \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\quad)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l}\quad\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s\quad_{sa}^{ik}-1\leq\quad\leq j_i\quad^{ik}\quad$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}\quad_{sa}^{ik}+1\quad_s+j_{sa}^{ik}-1\leq\quad\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\quad\boldsymbol{n}\wedge$

$\boldsymbol{l_i}-s\quad 1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_i}\leq D+s\quad\boldsymbol{n}))\wedge$

$D\quad\quad n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}<j_{sa}^i-\quad\wedge j_{sa}^s=j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\quad\quad,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\}\wedge$

$s>3\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+)}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{is}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(+j_{ik}-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s + 1)! \cdot (n_{is} - j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_s + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ldots)!}{(n_s-j_i-\boldsymbol{n}-\ldots-j_i)!}\cdot$$

$$\frac{(\ldots-k-1)!}{(\ldots-j_s-\ldots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\ldots-j_{sa}^{ik}+1)!}{(\ldots+\boldsymbol{l_{ik}}-\ldots)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _i\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)}$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!}$$

$$\frac{(D \qquad)}{(D + j_i \qquad - \boldsymbol{l_i})! \cdot (\qquad)!} -$$

$$\sum_{k=1}^{i} \sum_{(\qquad - j_{sa}^{ik} + 1)}^{(\qquad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = s+1)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\qquad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \boldsymbol{i}\boldsymbol{l}} \sum_{(j_s = 1)}^{(\qquad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\qquad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\ )!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{\ }\leq j_i+j_{sa}^{ik}-$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\ +1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{s\ }-1\leq j_{ik}\leq\ +j_{sa}^{ik}-s\wedge$

$j_{ik}+\ -j_{sa}^{ik}\leq j_i\ \ \wedge$

$\boldsymbol{l\ }s+1>\ $

$\boldsymbol{l_i}\ D+s-\boldsymbol{n}))\ $

$\ \geq\boldsymbol{n}\ \wedge I=\Bbbk>\ $

$j_{sa}^{ik}<j_{\ }^i-1\ \ \ a-1\wedge$

$\boldsymbol{s}:\{j_{sa},\Bbbk_1,\ ^{ik},\cdots,\Bbbk_2,j_{sa}^i\}\wedge$

$\ >3\wedge\boldsymbol{s}\ s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

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$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-1)!}$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-1)!}{(n_s-j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_i+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s -)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(-j_s + \cdot(j_s - 2)!}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} + j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (- j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + - j_i - \boldsymbol{l})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_i l} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-_i l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-_i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad - j_i)!}$$

$$\sum_{(j_s = j_{ik} - j_{sa}^{ik} +)}$$

$$\sum_{j_{sa}^{ik} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \ _i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ \ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}- \wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D- +1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq +j_{sa}^{ik}-s\wedge$

$j_{ik}+ -j_{sa}^{ik}\leq j_i \wedge$

$\boldsymbol{l} s+1> \wedge$

$\boldsymbol{l_i} (D+s-\boldsymbol{n}))$

$ \geq\boldsymbol{n}   \wedge I=\Bbbk>$

$j_{sa}^{ik}<j_{ }^{i}-1   -1\wedge$

$\boldsymbol{s}{:}   _{sa}, \Bbbk_1, ^{ik},\cdots,\Bbbk_2,j_{sa}^{i}\}\wedge$

$ >3\wedge\boldsymbol{s} s+\Bbbk\wedge$

$\Bbbk_z{:}z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(l_s-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_{s}\cdots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\cdots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\cdots-1)\cdots}{(j_s-2)\cdots(n_i-n_{is}\cdots+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}\cdots1)!}{(j_{ik}-j\cdots\cdots(n_{is}+j_s\cdots-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}\cdots-\Bbbk_2-\cdots)}{(j_i-j_{ik}\cdots)!\cdot(n_{ik}\cdots j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n\cdots-1)!}{(n_s\cdots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\cdots\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _i l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\ _i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \ )!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} - 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (\ - j_{sa}^{ik})!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}}\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}) \cdot (j_i + j_{sa}^{ik} - \ - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\ + j_i - \boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1} \sum_{(j_s=2)}^{\ -k+1}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\,(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{n}\sum_{n_s=n_{ik}+j_{ik}-j_i}^{(\ )}\sum \frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)} \cdot \frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik}$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i + 1 \wedge j_{sa}^s = j_s^l - 1 \wedge$$

$$\boldsymbol{s}{:}\{j_s^s - \Bbbk_1, j_{sa}^{ik}, j_{sa}\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{i\!k})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ )!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\ -1)!}{(\ -j_s+\ )!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(\ -j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\ -\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\ -j_i-\boldsymbol{l}\ )!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1}\ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad - j_i)!}$$

$$\sum_{k=}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} +}^{(\quad)}$$

$$\sum_{j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_s}+s-k)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{(\quad)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$((\quad \geq \boldsymbol{n} \quad n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, \cdots, j_i}^{\cdots, SD} = \sum_{k=1}^{l-\cdots-k-j_{sa}^{ik}+1} \sum_{(j_s=2)}^{\cdots}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}\cdots} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{i l} \sum_{(=2)}^{(l_s - k + 1)}$$

$$\sum_{(+ j_{sa}^{ik} - k + 1)}^{l_{ik} - 1} \sum_{(= j_{ik} + s - j_{sa}^{ik})}^{(l_i)}$$

$$\sum_{n_i - \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{+ 1)}$$

$$\sum_{n_{is} - j_{ik} - \Bbbk_1}^{n_{is} - \Bbbk_2 - j_{ik} + 1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \ _il} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}- \ _i\boldsymbol{l}+1} \sum_{(\ _i\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i}- \ _i\boldsymbol{l}+ \right.}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk \ )}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j}^{n_{ik}+ \ -j_i-\Bbbk_2}$$

$$\frac{(n_i - \ -1)!}{(\ )\cdot(n \ -n \ -j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - \ -\Bbbk_2-1)!}{(j_i - j_{ik} - \ )\cdot(n_{ik}+ \ -n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s \ j_i - \boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\ _{ik} - \boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}+1)! \cdot (j_{ik}-j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}}-s)!}{(\ _k + \boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l}\quad\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\;\;\wedge$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s\quad{}^{ik}_{sa}-1\leq\quad\leq j_i+\quad^{ik}-\quad\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_i}-s+1>\boldsymbol{l_s}\;\wedge$

$D+s-\boldsymbol{n}\quad\boldsymbol{l_i}\leq D\quad+s-\boldsymbol{n}-1)\big)$

$D\geq\boldsymbol{n}<n\wedge I=\quad>0\wedge$

$j_{sa}^{ik}<\quad-1\wedge j_{sa}^s=\quad-1\wedge$

$\boldsymbol{s}:\{j_{sa}^s,\Bbbk_1,j\quad\cdots,\Bbbk_2,j^i\quad\}\wedge$

$s\quad\quad=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\quad=\Bbbk_1+\Bbbk_2\Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{{}_il-1}\sum_{(j_s=2)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1 - j_i)!} \cdot$$

$$\frac{(n - k - 1)!}{(n - j_s - \Bbbk + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - s - j_{sa}^{ik} + 1\right)!}{(j_{ik} + \boldsymbol{l_{ik}} - j_s - s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\boldsymbol{l_i}-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots_k - 1 \ldots)}{(\boldsymbol{l_s} - \ldots - k + 1 \ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\ldots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \ldots_k - \boldsymbol{l_{ik}} - s \ldots)}{(j_{ik} + \boldsymbol{l_i} \ldots - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D \ldots \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\ _i l+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ _i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{\left(D - \boldsymbol{l_i}\right)!}{\left(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}\right)! \cdot \left(\boldsymbol{n} - j_i\right)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{)} \sum_{}^{j_{sa}^{ik})}$$

$$\sum_{}^{(n_i-j_s+1)} \sum_{}^{}$$

$$\sum_{n_{ik}=n_{is}-j_{ik}-\mathbb{k}_1}^{} \sum_{}^{n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}$$

$$\frac{\left(n_i - s - I\right)!}{\left(n_i - \boldsymbol{n} - I\right)! \cdot \left(\boldsymbol{n} - s\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_s} - k - 1\right)!}{\left(\boldsymbol{l_s} - j_s - k + 1\right)! \cdot \left(j_s - 2\right)!} \cdot$$

$$\frac{\left(D - \boldsymbol{l_i}\right)!}{\left(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}\right)! \cdot \left(\boldsymbol{n} - j_i\right)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} \quad 1 \wedge$$

$$1 \leq \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \quad \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - \quad + 1 = \boldsymbol{l_s} \quad \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} > D + \boldsymbol{l_i} \quad + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$\boldsymbol{n} \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1} \sum_{(j_i={l_i}+n-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\ldots}^{n} \sum_{}^{(\ldots j_s+1)}$$

$$\sum_{n_{is}+j_s-j\ldots\mathbb{k}_1}^{} \sum_{=n-j_i+1)}^{(n_{ik}+j_{ik}-j\ldots)}$$

$$\frac{(n_i - n_{is}\ldots}{(j_s-2)\ldots(n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{\ldots_s - n_{ik}\ldots 1)!}{(j_{ik} - j_s - 1)\ldots(n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik}\ldots_s - \mathbb{k}_2 - 1)!}{(\ldots j_{ik} - 1)!\ldots(n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j^{ik}_{sa} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j^{ik}_{sa} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k={}_il}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j^{ik}_{sa}} \sum_{(j_i={l_i}+n-D)}^{(l_i - {}_il+1)}$$

564        $D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l} + j_{sa}^{ik} - \boldsymbol{l_{ik}})}{(\boldsymbol{l_i} + j_{sa}^{ik} - s - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\cdots + j_i \cdots)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq \cdots \leq j_i + j_{sa}^{ik} - \cdots$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j \cdots - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{\cdots} \cdots j_{sa}^{ik} - 1 \wedge$

$s \cdots (j_{sa}, \Bbbk_1, j_{sa}^{\cdots} \cdots, \Bbbk_2, j_{sa} \cdots \wedge$

$s > \cdots \wedge \boldsymbol{s} = s + \Bbbk \cdots$

$\Bbbk_z : z = \cdots \wedge \Bbbk = \Bbbk_1 + \cdots \Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\ )}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-\ -1)!}{(\ -j_s+\ )\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}\ \boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j\ \boldsymbol{l}_{ik})!\cdot(\ +j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1}\sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-k+1}\sum_{(j_i=\boldsymbol{l}_{ik}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \qquad j_{ik} - s)!}$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\qquad j_i)!} -$$

$$\sum_{k= \qquad}^{D+\boldsymbol{l_s}+s- \qquad} \sum_{(\qquad +\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} \qquad +j_{sa}^{ik}-s}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\qquad > \boldsymbol{n} < \qquad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s \qquad + l_s - l_{ik})}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\quad -D-1}^{j_i+j_{sa}^{ik}} \sum_{(j_i = l_i + \quad)}^{(l \quad s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(\quad - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \quad -j_{ik}+1}^{n_{is}+j_s - \quad \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(\quad 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(\quad_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum_{}^{D - \quad} \sum_{ (\ +\boldsymbol{l_s} - \boldsymbol{l_{ik}}) }^{(\;)}$$

$$\sum_{j_{ik} = \boldsymbol{l} \quad + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \; -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{(\;)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i \quad k+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{=n+\Bbbk (n_{is}=n \quad +1)}^{n} \quad \sum^{(n_i \quad +1)}$$

$$\sum_{n_{ik}=n_{is} \quad j_{ik}-\Bbbk_1}^{(\;)} \sum^{ \quad -j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i \quad -I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s \quad j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \quad D-n+1 \wedge$

$2 \leq j_s \leq j_{ik} \quad j_{sa}^{ik} + 1 \quad {}_s + j_{sa}^{ik} - 1 \leq \quad \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \quad n \wedge$

$l_{ik} - j \quad + 1 = l_s \wedge l_i \quad j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \quad l = \Bbbk > \quad \wedge$

$j_{sa}^{ik} \quad j_s = \quad -1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$s : \{ j_{sa}^{s}, \Bbbk_1, \quad \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s \quad s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s = j_{ik} + l_s - l_{ik})}^{(\;)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \ldots -1)}{(j_s-2) \ldots (n_i - n_{is} \ldots +1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} \ldots 1)!}{(j_{ik} - \ldots)\ldots(n_{is} + \ldots n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} \ldots - \Bbbk_2 \ldots)}{(j_i - j_{ik} \ldots)! \cdot (n_{ik} \ldots - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s \ldots -1)!}{(n_s \ldots j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\ldots + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \,)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\,k - 1)!}{(\boldsymbol{l_s} - \,\, - k + \,)\,(\,\, - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l}\, - s)!}{(j_{ik} + \boldsymbol{l_i} - \,\,)! \cdot (j_i + \,\,k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \,\, - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\,+\boldsymbol{l_s}+s-\,} \quad \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \quad \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \quad \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \quad \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$\qquad D > \boldsymbol{n} < n$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik}}^{DOS} \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_i+\boldsymbol{n}-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{(\boldsymbol{l_i}-k+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + l_{ik} - l_s} \sum_{(j_i \ldots + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\ldots n + \Bbbk \, (n_{is} = n \ldots +1)}^{n \quad (n_i \ldots +1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} \ldots \quad (n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots)} \sum_{(\ldots j_i + 1)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ldots - n_{ik} - 1)!}{(\ldots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_{ik} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + l_{ik} - l_s} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - l) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k - \quad)}{(l_s - j_s \quad 1)! \cdot \quad -2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i \quad - l_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i \quad^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad j_{sa}^{i}\} \wedge$

$\boldsymbol{s} > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \ )}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{\quad}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{\quad}} \quad)}{(D + j_{\quad} \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D - \boldsymbol{n} + \quad} \ \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \ \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \ \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \ \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum^{(\boldsymbol{l_s} - k + 1)}_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - s + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{?}^{(j_s + 1)} \sum_{n + \Bbbk \, (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{?=n_{is}+j_s \dots -\Bbbk_1} \sum^{()}_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \dots \wedge \boldsymbol{l_s} > D - \dots + 1 \wedge$

$2 \leq j_s \leq j_{ik} \dots^{ik} + \dots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \dots s - \dots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \dots > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{=\boldsymbol{n}+j_s+1}^{(j_s+1)}$$

$$\sum_{=j_{ik}+1}^{n_{is}+j_s-\mathbb{k}_1} \sum_{=\boldsymbol{n}-j_i+1}^{(n_{ik}+j_{ik}-\mathbb{k}_2)}$$

$$\frac{(n_i - n_{is})}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{n_{is}-n_{ik}1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}_s-\mathbb{k}_2-1)!}{(j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - j_i - \boldsymbol{n} - j_i)!}{(n_s - j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - \boldsymbol{n} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1)!}{(- + \boldsymbol{l_{ik}} - j_{ik} - j_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^{s}, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i}\} \wedge$$

$$s > 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{sa}S^{DO}_{ik, j_i} = \sum_{k=1}^{D-n+1} \sum_{(j_s = l_s + n - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=1}^{(\boldsymbol{l_s}+1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n})}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{ik - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_i - j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-\quad)}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\quad} \sum_{=n_{ik}+j_{ik}-j_i-\quad}^{(\quad)}$$

$$\frac{(n_i\quad -I)!}{(n_i\quad)!\cdot(n-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(\quad-j_s\quad+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-l_i)!}{(D\quad j_i-n-l_i)!\cdot(n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n \quad \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$l_{ik} \quad - j_{sa}^{ik} + 1 > \quad \wedge l_i + \quad - s = l \quad \wedge$

$D \quad < n \wedge I = \Bbbk \quad 0 \wedge$

$\quad_{sa}^{ik} < j_{sa}^{l} \quad 1 \wedge j_{sa}^{s} = j_s \quad - 1 \wedge$

$s: \{j_s^s \quad \Bbbk_1, j_{sa}^{ik}, \quad_{sa}\} \wedge$

$s > 3 \wedge s \quad s + \Bbbk \wedge$

$\quad: z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\quad-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \quad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!} \cdot$$

$$\frac{(n_{is}-n_{ik} \quad 1)!}{(j_{ik}- \quad)(n_{is}+j \quad -n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik} \quad -\Bbbk_2 \quad)}{(j_i-j_{ik} \quad)! \cdot (n_{ik} \quad k-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s \quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j \quad \boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \;)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\;k - 1\;)!}{(\boldsymbol{l_s} - \; - k + 1\;)(\; - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \;)! \cdot (j_{ik} - \; - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \; - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{=1}^{\boldsymbol{l_s} + s - \boldsymbol{n} - }\;\;\sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}\;\;\sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n}\;\;\sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}\;\;\sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum \quad \sum^{(j_{ik}-j_{sa}^{ik}+1)}_{(l_s+\boldsymbol{n}-D)}$$

$$\sum_{j_{ik}=j_{ik}-l_i} \sum^{(l_s+s-k)}_{(j_i=l_{ik}+\boldsymbol{n}+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1}\ \sum_{(j_s=l_s+n-D)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\ \sum_{(j_i=\ \ s-k+1)}^{(l_{ik}+s-k-j_{sa}^{ik})}$$

$$\sum_{=n+\Bbbk\ (n_{is}=n\ \ +1)}^{n\ \ \ \ (n_i\ \ +1)}$$

$$\sum_{n_{ik}\ \ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ \ (n_{ik}+j_{ik}-j_i-\Bbbk\ }\ \sum^{(\ \ -j_i+1)}$$

$$\frac{\ \ -n_{is}-1)!}{(\ \ -2)!\cdot(\ \ -n_{is}-j_s+1)!}\cdot$$

$$\frac{(\ \ -n_{ik}-1)!}{(\ \ -j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ _{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i}\ \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i}\ \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k -)}{(\boldsymbol{l_s} - j_s \quad 1)! \cdot \quad - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \quad - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i \quad {}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} -$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \quad j_{sa}^{i}\} \wedge$

$\boldsymbol{s} > 3 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\Bbbk_2)!}$$

$$\frac{(n_s-\ldots)}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-\ldots-1)!}{\ldots(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(\ldots-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+\ldots-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=l_s+\boldsymbol{n}-D)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad {}_i)!} -$$

$$\sum_{k= \quad}^{D + \boldsymbol{l_s} + s - \quad} \sum_{\quad (\quad - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{=\boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \quad ik - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\quad > \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_{ik}=j_s+\boldsymbol{n}-D)}^{(l_{ik}+\boldsymbol{n}-D-\ )}$$

$$\sum_{j_{ik}=\ +\boldsymbol{n}-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_{\ \ })}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(\ -j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\ \ _2-j_{ik}+1}^{n_{is}+j_s-\ \ \Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{\ \ 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{\ _{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ -j_i+1)}^{(n_{ik}+j_{ik}-j_i-\ )}$$

$$\frac{(n_i\quad-1)}{(j_s-2\ \cdot\ (n_i-n_{is}\quad+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-\ )!\ (n_{is}+\ -n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}\ -\Bbbk_2-\ )!}{(j_i-j_{ik}-\ )!\cdot(n_{ik}\ -j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(\ -1)!}{(n_s\ +j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j\ +\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\quad} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{\quad} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \quad$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} + j_i + j_{sa}^{ik} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{(\boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum^{_il-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}$$

$$\sum_{\boldsymbol{l_{ik}}+1}^{(l_i - k + 1)} \sum_{k = j_{sa}^{ik}+1 \ (j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i}^{l} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}}^{(-il+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_i-j_{ik}-\Bbbk_1)}^{(n_i-j_{ik}-\Bbbk_1)} \sum^{n_{ik}+j_{ik}-j_i-}_{n-j_i+1}$$

$$\frac{(\quad - n_{ik} - 1)!}{(\quad - 2)! \cdot (\quad - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i - \quad - 1)! \cdot (n\quad + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{il-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{()}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{\left(l_{ik}+s-k-j_{sa}^{ik}+1\right)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\ - j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ }^{n} \sum_{(n_{ik}=n_i-\ \Bbbk_1+1)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} < D - \boldsymbol{n} \ 1 \wedge$

$1 \leq \ \leq j_{ik} - j_{sa}^{ik} + \ \wedge j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - \ \leq j_i \leq \boldsymbol{n} \ \wedge$

$\boldsymbol{l_{ik}} - \ ^{ik} + 1 = \ + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s \ \boldsymbol{n} \wedge$

$\ > \boldsymbol{n} \ \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+\ )}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j\ +1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+\ )}^{(\ +j_{ik}\ -\Bbbk_2)}$$

$$\frac{(\ -n_{is}\ 1)!}{(j_s\ 2)! \cdot (n_i\ \ j_s+1)!} \cdot$$

$$\frac{(n_{is}\ _{ik}-1)!}{(j_{ik}-j_s\ )! \cdot (n_{is}\ j_s-n_{ik}-j_{ik})!} \cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j\ -1)! \cdot (\ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(\cdots)}{(n_s \cdots j_i - \boldsymbol{n} \cdots - j_i)!} \cdot$$

$$\frac{(\cdots - k - 1)!}{(\cdots - j_s - \cdots 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \cdots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \cdots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\boldsymbol{l_i} - \,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j)}$$

$$\sum_{\ (j_s=j_i}^{il-1} \sum_{s - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j}^{-k)} \sum_{ik - s\ (j_i = s+1)}$$

$$\sum_{n_i}^{s+1)} \sum_{+ \Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{=n_{is}+j}^{} \sum_{k - \Bbbk_1\ (n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\ (n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{n} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{(\ \ )} \sum$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}}^{DOSL} = \sum_{k=1}^{_il-1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l}_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l}_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} -)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=_i l\,(j_s)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}\,(j_i=s)}^{\left(l_i - \,_i l + 1\right)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\,(n_{ik}=\Bbbk_2-j_{ik}+1)}^{n} \quad \sum^{-j_{ik}-\Bbbk_1} \quad \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l - 1} \quad \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}} - k + 1} \quad \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k -)}{(l_s - j_s - 1)! \cdot (\quad - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)} -$$

$$\sum_{k=\ _il} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i\ =\ +\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < \ \ \ \boldsymbol{l_s} \leq D - \ +1 \ \wedge$

$1 \leq \ \ \ j_{ik} - j_{sa} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \ \wedge$

$j_{ik} + s - j_s \ \ \leq j_i \leq \boldsymbol{n} \ \wedge$

$\ \ \ \ 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \ \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \ \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \ \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \ \wedge$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik}}^{(\;\;)}$$

$$\sum_{j_{ik}=j_{sa}}^{\boldsymbol{l}_s+j_{sa}^{ik}-k} {}^{(\quad-k+1)}_{(\;\;\;\;\;\;-j_{sa}^{ik})}$$

$$\sum_{=\boldsymbol{n}+\Bbbk}^{(n_i-j_s+)} {}^{(\;\;\;\;-\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum_{n_{is}\;\;\;-j_{ik}-\Bbbk_1}^{\boldsymbol{n}+\Bbbk_2-j_t} {}^{(j_i-\Bbbk_2)}_{(n_s=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-\quad)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(\quad_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(\quad-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k={}_i\boldsymbol{l}}^{(\;\;)} \sum_{(j_s=1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{\left(l_i-\,_i l+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - \cdots - \Bbbk_2)!} \cdot$$

$$\frac{(\cdots - 1)!}{(\cdots + j_i - \boldsymbol{n} \cdots 1)! \cdot (\boldsymbol{n} - j_i)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa} \cdots)!}{(\boldsymbol{l_i} + j_{s} \cdots j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D \cdots \boldsymbol{l_i})!}{(D + \cdots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\,_i l - 1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)} \boldsymbol{l_s}+j_{sa}^{ik}-k$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\quad)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}} {}_{-j_i-\Bbbk_2}$$

$$\frac{(\quad\quad-\quad)!}{(\quad-\boldsymbol{n}-\Bbbk)!\ (\quad-s)!} \cdot$$

$$\frac{-\boldsymbol{l}_i)!}{(\quad s-\boldsymbol{n}-\quad)! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \land j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{\quad} \quad s \land$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} \quad s > \boldsymbol{l_{ik}}$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} < {}_{sa} - 1 \land j_{sa}^{s} = {}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \quad \Bbbk_2, j_{sa}^{i}\}$

$s > \quad \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 2, \quad \Bbbk = \Bbbk_1 + \Bbbk \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{\left(l_{ik}-k-j_{sa}^{ik}+2\right)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_{sa} - \boldsymbol{l}_{ik})! \cdot (l_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\boldsymbol{l}_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s=2)}^{\left(l_{ik} - k - j_{sa}^{ik} + 2\right)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{\left(\quad j_{sa}^{ik}\right)}$$

$$\sum^{(n_i - j_s + 1)} \sum_{\quad (n_{ik} \quad + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}} \sum_{-j_{ik}-\Bbbk_1 \,(\quad n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k={}_i l}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - n - \Bbbk)! \cdot (n - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{\Bbbk_z} S_{j_s, j_{ik}}^{DO} = \sum_{k=1}^{l-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=}^{(\ +1)} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i=n+\Bbbk}^{(n_{ik}-\Bbbk_1+1)} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{_i l - 1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

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$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l_i})\ }{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot\ -j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ \ )}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j\ \Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geqq \boldsymbol{n} < n \wedge \boldsymbol{l_s}\ < D-\boldsymbol{n}\ 1 \wedge$

$1 \leq\ \leq j_{ik}-j_{sa}^{ik}+\ \wedge j_s+j_{sa}\ -1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-\ \ \leq j_i \leq \boldsymbol{n}\ $

$\boldsymbol{l_{ik}}-\ ^{ik}+1=\ \ +j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n}\ \ \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$

$\ > \boldsymbol{n}\ \ \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i-1 \wedge j_{sa}^s = j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s+\Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1+\Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=l_i+n-D)}^{(l_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(\ +j_{ik}\ -\Bbbk_2)}$$

$$\frac{(\ -n_{is}\ -1)!}{(j_s\ -2)!\cdot(n_i\ -j_s+1)!}\cdot$$

$$\frac{(n_{is}\ _{ik}-1)!}{(j_{ik}-j_s\ )!\cdot(n_{is}\ _s-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j\ -1)!\cdot(\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=l_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_{ik} - j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{sa}^{ik} - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_i} - \,_i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_i + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{= j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + \cdots + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\ )}$$

$$\sum_{n_i \cdots + \Bbbk}^{(\cdots + j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\ )}$$

$$\sum_{= n_{is} + j_\cdots - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \cdots \wedge \boldsymbol{l_s} \leq D - \cdots + 1 \wedge$

$1 \leq j_\cdots \leq j_{ik} - \cdots \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_\cdots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \cdots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$\qquad D > \boldsymbol{n} < n$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,\,j_{ik},\,j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(\ )}^{(\boldsymbol{l_s}+s-k)}
$$

$$
\sum_{n_i=\ldots\Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{(n_i-\ldots-1)}
$$

$$
\sum_{\ldots=j_{ik}-\Bbbk_1}^{\ldots+j_{ik}-j_i-\Bbbk_2}
$$

$$
\sum_{n_{ik}=\ldots-j_{ik}+1}^{(n_s\ldots j_i+1)}
$$

$$
\frac{(n_{\ldots}-n_{is}-1)!}{(j_s-2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{\ldots}-n_{ik}-1)!}{(j_{ik}\ldots)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ldots k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(n-k-1)!}{(n-j_s-n+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_i-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+j_{sa}^{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_s}^{(\quad)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{\boldsymbol{n} + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{= n_{is} + j_s}^{} \sum_{\Bbbk - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \quad s - \quad^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j \ \boldsymbol{j}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i \ \Bbbk}^{\ } \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s \ )}^{(n_i \ -1)}$$

$$\sum_{n_{ik}=\boldsymbol{n} \ -j_{ik}+1}^{-j_{ik}-\Bbbk_1} \sum_{(n_s \ _i+1)}^{+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n \ -n_{is}-1)!}{(j_s \ 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ -n_{ik}-1)!}{(j_{ik} \ ) \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s - j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{sa}^{ik} - j_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_i + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D}^{\boldsymbol{l_{ik}} + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum^{j_s + 1} \sum_{\boldsymbol{n} + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{k = n_{is} + j_s \cdots - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \cdots \wedge \boldsymbol{l_s} \leq D - \cdots + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} \cdots^{ik} + \cdots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} \cdots s - \cdots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \cdots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

620                    $D > \boldsymbol{n} < n$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\prescript{}{fz}{S}^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{\prescript{}{i}{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}+1}^{\boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(\ \ \ _i + \boldsymbol{n} - D)}^{(\boldsymbol{l}_i - k + 1)}$$

$$\sum_{n_i \ \ \ \Bbbk}^{\ \ \ } \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s \ \ )}^{(n_i - \ \ \ -1)}$$

$$\sum_{\ \ = j_{ik} - \Bbbk_1}^{\ \ } \sum_{\ \ + j_{ik} - j_i - \Bbbk_2)}^{\ \ }$$

$$\sum_{n_{ik} = \boldsymbol{n} \ \ - j_{ik}+1}^{\ \ } \sum_{(n_s \ \ \ _i + 1)}^{\ \ }$$

$$\frac{(n_{\ \ } \ n_{is} - 1)!}{(j_s \ \ 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n \ \ - n_{ik} - 1)!}{(j_{ik} \ \ \ \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i \ \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\prescript{}{i}{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l}_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l}_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l}_i - k + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{}-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}-n_{i}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_{s}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_{}-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(-k-1)!}{(-j_s-1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+-)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i l+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_{s}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

622 $\qquad$ $D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_i + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D}^{\boldsymbol{l_s} + \quad - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{}$$

$$\sum_{n_{i} \quad + \Bbbk}^{\quad (\quad j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{= n_{is} + j \quad _k - \Bbbk_1}^{(\quad)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j \quad \leq j_{ik} \quad ^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(l_i+n-D-s)}
$$

$$
\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(\ldots l_i+n-D)}^{(l_i-k+1)}
$$

$$
\sum_{n_{is}=\ldots+\Bbbk}^{(n_{is}=n+\Bbbk-\ldots)} \quad {}^{(n_i-\ldots+1)}
$$

$$
\sum_{\ldots j_s-j_{ik}-\Bbbk_1} \sum^{\ldots k+j_{ik}-j_i-\Bbbk_2)}
$$

$$
\sum_{n_{ik}=\ldots j_s-j_{ik}+1} \sum^{(\ldots j_i+1)}
$$

$$
\frac{(\ldots - n_{is} - 1)!}{(j_s - 2)! \cdot (n_\ldots - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_\ldots - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{{}_i l-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{\,} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{\,} - n_{\,} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{\,} - n_s - j_i - \Bbbk_2)} \cdot$$

$$\frac{(n_{\,} - \,)!}{(n_s - j_i - \boldsymbol{n} - \, - j_i)!} \cdot$$

$$\frac{(\, - k - 1)!}{(\, - j_s - \, + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \, - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \, - \,)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j)}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s+1)}^{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-}^{} \sum_{i=j_{ik}+s-j_{sa}^{ik})}^{}$$

$$\sum_{n_l+\Bbbk\,(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(i_s+1)}$$

$$\sum_{=n_{is}+j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\geq \boldsymbol{n} \qquad \wedge\, \boldsymbol{l_s} \leq D - \quad + 1 \wedge$$

$$1 \leq j \quad \leq j_{ik} - \qquad \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \qquad \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l} \quad - j_{sa}^{ik} \qquad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

626 $D > \boldsymbol{n} < n$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_i+\boldsymbol{n}-D-s)}
$$

$$
\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(+\boldsymbol{n}-D)}^{(l_i-k+1)}
$$

$$
\sum \sum^{(n_i-+1)}
$$

$$
\sum_{n_{ik}=-j_{ik}+1}^{+\Bbbk\,(n_{iS}=\boldsymbol{n}+\Bbbk-)} \sum^{(+j_{ik}-j_i-\Bbbk_2)}_{(+j_s-j_{ik}-\Bbbk_1)}
$$

$$
\frac{(-n_{is}-1)!}{(j_s-2)! \cdot (n_{}-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n_{}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-_k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(l_i+j^{ik}_{sa}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j^{ik}_{sa}-j_{ik}-s)!} \cdot
$$

$$
\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{{}_il-1} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_s-k+1)}
$$

$$
\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j^{ik}_{sa})}^{(l_i-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n \quad -j_s+1}\cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is} \quad -n_{ik}-j_{ik})!}\cdot$$

$$\frac{(n_{ik}-n_s \quad \Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik} \quad n_s-j_i-\Bbbk_2}\cdot$$

$$\frac{(n \quad -\quad)!}{(n_s \quad j_i-\boldsymbol{n} \quad -j_i)!}\cdot$$

$$\frac{\quad -k-1)!}{(\quad -j_s-\quad 1)! \cdot (j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\quad -\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\quad -\quad)! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

628 $\qquad$ $D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + l_s + s - \boldsymbol{n} - l_i} \sum_{(j_s = l_i + \boldsymbol{n} - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + l_{ik}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_{is} + \mathbb{k}\,(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{k = n_{is} + j_s - \mathbb{k}_1\,(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \wedge \boldsymbol{l_s} \leq D - + 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad {}^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \quad s - {}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-}
$$

$$
\sum \sum^{(n_i-\ +1)}
$$

$$
\quad +\Bbbk \,(n_{is}=\boldsymbol{n}+\Bbbk-\ )
$$

$$
\sum_{n_{ik}=\ -j_{ik}+1} \sum^{(\ +j_{ik}-j_i-\Bbbk_2)}_{\ j_s-j_{ik}-\Bbbk_1}
$$

$$
\frac{(\ -n_{is}-1)!}{(j_s-2)! \cdot (n_{\ }-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n_{\ }-n_{ik}-1)!}{(j_{ik}-j_s-\ )! \cdot (n_{is}+j_s-n_{ik}-j_{ik})!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ _k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n\ \ - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} \ \ - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s \ \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} \ \ n_s - j_i - \Bbbk_2)} \cdot$$

$$\frac{(n \ \ \ \ )!}{(n_s \ \ j_i - \boldsymbol{n} \ \ \ \ - j_i)!} \cdot$$

$$\frac{(\ \ \ - k - 1)!}{(\ \ - j_s - \ \ 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \ \ - j_{sa}^{ik} + 1)!}{(\ \ + \boldsymbol{l_{ik}} \ \ \ \ )! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=s)}^{(\boldsymbol{l_i} - \ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{i}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i - l_i}^{} \sum_{(j_i = s+1)}^{(\ -k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{= n_{is} + j}^{\quad k - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = {}_i l} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s = \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_{ik} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{D}_{j_s,\ldots k,j_i} = \sum_{k=1}^{_{i}l-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_s+j_{sa}^{ik}-k} \sum_{\left(j_i=j_{ik}+\boldsymbol{l}_i-\boldsymbol{l}_{ik}\right)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = l_s - j_{ik} - k + 1}^{k+1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )}\sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\ 1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\ -\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{\ _i\boldsymbol{l}-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{\ }\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\,_i l} \sum_{(j_s=1}^{(\;)}$$

$$\sum_{j_{sa}^{i}} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=n+\Bbbk\,(n_{ik}}^{n} \sum_{}^{(\;)} \sum_{n_s=\;+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - \;)!}{(n_i\;-n - \Bbbk)! \cdot (n - s)!} \cdot$$

$$\frac{(\;- l_i)!}{(D\;s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n + \;\wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + \;^{ik} - 1 \leq j_{ik} \leq\; + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j\;< n \wedge$

$l_{ik} - j_{sa}^{ik} + \;\geq l_s \wedge l\;_{sa}^{ik} - s = l_{ik}\;$

$l_{ik} \leq D + j_{sa}^{ik} - \;$

$D \geq\;< n \wedge I = \Bbbk >\;\wedge$

$j_{sa}^{ik} < j_{sa}^{i} -\;\wedge j_{sa}^{s} = j\;- 1 \wedge$

$s: \{\;,\;j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge s =\; + \Bbbk \wedge$

$\;\wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,\,j_{ik},\,j_i}^{DOSD} = \sum_{k=1}^{_i l - 1} \sum_{(j_s=2)}^{(l_s - k + 1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\quad-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\quad-1)}{(j_s-2)\quad(n_i-n_{is}\quad+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-1)!}{(j_{ik}-\quad)\quad(n_{is}+j\quad-n_{ik}-j_{ik})!}$$

$$\frac{(n_{ik}\quad-\Bbbk_2-\quad)}{(j_i-j_{ik}-\quad)! \cdot (n_{ik}\quad_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(\quad-1)!}{(n_s\quad j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s\quad\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _il}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-\ _il+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}+1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot \left(- j_i\right)!}$$

$$\sum_{k=1} \sum_{(j_s=}^{-1\ (\ -k+1)}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \boldsymbol{_il}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{\boldsymbol{l_s}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_i}-k+1)} \sum_{(j_i=\boldsymbol{l_s}+\boldsymbol{l_s}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{\boldsymbol{n}+\Bbbk-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i l} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}}^{\left(l_i-\ _i l+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\ -j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-1)!}{(j_{ik}-2)!\,(n_i-n_{ik}-j_{ik}-1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_{ik}-j_{ik}-1)!\,(n_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_{ik}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{\left(j_s=j_{ik}-j_{sa}^{ik}+1\right)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$s: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = l_i + n + j_{sa}^{ik} - D - s}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \qquad j_i)!} +$$

$$\sum \sum_{(j_s = 2)}^{{}_i^{l-1}\,(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} \quad + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_i} + j_{sa}^{ik} \quad {}_s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-\,_il-s+1}\sum_{(j_i=\quad+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{ik}=n+\Bbbk\quad_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{(n_s=n\quad_{\quad}+1)}^{n_{ik}+\quad-j_i-\Bbbk_2}$$

$$\frac{(n_i-\quad-1)!}{(\quad-2)\cdot(\quad-n\quad-j_{ik}+1)!}\cdot$$

$$\frac{(n_{ik}-\quad-\Bbbk_2-1)!}{(j_i-j_{ik}-\quad)!\cdot(n_{ik}\quad-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s\quad_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(\quad_{ik}-l_s-j_{sa}^{ik}+1)!}{(l_{ik}-j_{ik}-l_s+1)!\cdot(j_{ik}-j_{sa}^{ik})!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n}\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \qquad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{\,_i l - 1} \sum_{(j_s = 2)}^{(l_i + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = l_i + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} -)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s + 1)!} \cdot$$

$$\frac{(- \boldsymbol{l_i})!}{- \boldsymbol{n} - \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{\boldsymbol{l}-1} \sum_{=\boldsymbol{l_i} + \boldsymbol{n} - D - s + 1}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + {}_i^{lk} - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i l} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = l_i + \boldsymbol{n} - j_{sa}^{ik} - D - s}^{l_i + j_{sa}^{ik} - {}_i l - s + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk (\ )}^{n} \sum^{(n_i - j_{ik} - \Bbbk_2)} \sum^{n_{ik} + j_{ik} - j_i}_{\boldsymbol{n} - j_i + 1}$$

$$\frac{(\ - n_{ik} - 1)!}{(\ - 2)! \cdot (\ - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - \ - \Bbbk_2 - 1)!}{(j_i - \ - 1)! \cdot (\ + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(l_{ik} - j_{ik} - l_s + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - \boldsymbol{n} - l_i} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\; \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\;\;)!}$$

$$\frac{(D-\boldsymbol{l}\;\;}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\;(\boldsymbol{n}-j_i)!}$$

$$D\geq \boldsymbol{n}<n\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq \boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l}\;\;\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1$$

$$D\geq \boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s=j_{sa}^{ik}-\;\;$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>3\wedge \boldsymbol{s}=s+\;\;\wedge$$

$$\Bbbk_z:z\;\;2\;\wedge\;\;=\Bbbk_1+\;\;\Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{_i\boldsymbol{l}-1}\;\sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\;\sum_{\left(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}\right)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\;\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - l_i - k + 1)! \cdot (l_i - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - l_i)! \cdot (j_{ik} - l_i - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{ik})!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{\boldsymbol{i^l} - 1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_i + \boldsymbol{l_{ik}} - l_i}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - \quad)}$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{-l_i}^{\left(l_{ik}+s-\quad+1\right)} \sum_{(j_i=\quad+s-D-j_{sa}^{ik})}$$

$$\sum_{n_i=n+\Bbbk}^{\quad} \sum_{n_s=n-j_i+1}^{\quad -j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2\quad) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i \quad_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+l_{ik}-l_i} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - l_i)}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \ $

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \ \wedge$

$\Bbbk_z: z \ 2 \ \ = \Bbbk_1 + \ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -\ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ _k - 1\ )}{(\boldsymbol{l_s} - \ - k + 1\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ _{ik}\ )}{(D + j_i\ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_il - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{\boldsymbol{l_{ik}}-\boldsymbol{l}+1} \sum_{j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{n_k=\boldsymbol{n}+\Bbbk_2}^{(\ j_{ik}-\Bbbk_1} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2) \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1\quad$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s = j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad\wedge$

$\Bbbk_z: z \quad 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \ )}{(\boldsymbol{l_s} - \ - k + \ \ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ \ \ )}{(D + j_i \ \ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\ =1}^{\ \ l-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=l_{ik}+n-}^{l_{ik}-l+1} \sum_{=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+}^{n} \sum_{=n+\Bbbk_2}^{(j_{ik}-\Bbbk_1} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\;(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}\quad \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - \quad \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \dots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\dots k - 1)}{(\boldsymbol{l_s} - \dots - k + 1) \dots 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \dots)! \cdot (j_i + \dots k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{ik}})!}{(D + j_i \dots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= {}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}- {}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} = j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 3 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$C_{j_s, j_{ik}, j_i}^{DOSD} \sum_{?1}^{\boldsymbol{l}^{l-1}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{?-k+1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik})!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=\,_i l}^{(\quad)} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{ik}+n-D}^{l_{ik}-\,_i l+1} \sum^{(\quad)}_{(\quad l_{ik})}$$

$$\sum_{n_i=n+\Bbbk\,(\quad)}^{n} \sum_{(=-n+\Bbbk+1)}^{(n_i-j_{ik}-\Bbbk\quad)} \sum_{(=n-j_i+1)}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(\quad - n_{ik} - 1)!}{(\quad - 2)! \cdot (\quad - n_{ik} - j_{ik} + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i \quad - 1)! \cdot (n\quad + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\Big((D \geq \quad < n \wedge l_s > D \quad n + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} \quad^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{i} \quad s \quad^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + \quad = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Big) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Big) \Big) \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} =$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} .$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} +)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})(j_i + j_{sa}^{} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{\boldsymbol{n} - \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum^{\boldsymbol{l_{ik}} + 1} \sum^{(\boldsymbol{l_i} - k + 1)}_{_{ik} + \boldsymbol{n} - D \ (j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j \ \ j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + s \quad - j_{sa}^{ik} + 1)} \sum^{(\quad)}$$

$$\sum \sum^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} \quad j_{ik} - \Bbbk_1} \sum_{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} \quad \wedge$

$2 \leq j_s \quad j_{ik} - j_{sa}^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa} \quad j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \quad +1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \quad I = \Bbbk > 0 \wedge$

$j_s \quad 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n})}^{(\boldsymbol{l_s}+s-k)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-\quad}^{n_{is}+j_s-j_{ik}-\quad +j_{ik}\quad-\Bbbk_2)} \sum_{(n_s=\boldsymbol{n}-j_i+\quad)}^{(\quad)}
$$

$$
\frac{(n_i-n_{is}\quad 1)!}{(j_s\quad 2)!\cdot(n_i\quad j_s+1)!}\cdot
$$

$$
\frac{-n_{ik}\quad \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\quad n_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(n_{ik}-\quad-\Bbbk_2-1)!}{(j_i-j\quad-1)!\cdot(\quad+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \;\;\; - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \;\; - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s \;\; \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} \;\; n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n \;\; - \;\;)!}{(n_s \;\; j_i - \boldsymbol{n} \;\; - j_i)!} \cdot$$

$$\frac{(\;\; - k - 1)!}{(\;\; - j_s - \Bbbk + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \;\; - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \;\; j \;\; - \Bbbk)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;\;)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$s: \left\{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$S_{i_s,i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_i + n + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = l_i + n - D)}^{(l_i - k + 1)}$$

$$\sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{}^{} \sum_{(j_s = j_{ik} - j_{sa}^{ik})}^{}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \phantom{j_{sa}^{ik}} - D - s}^{k+1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\quad\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\quad} \sum_{\quad=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{(n_i \quad s-I)!}{(n_i \quad)! \cdot (n-s)!} \cdot$$

$$\frac{(l_s-k-1)!}{(\quad -j_s \quad +1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D \quad j_i-n-l_i)! \cdot (n-j_i)!}$$

$D \ge n < n \wedge l_s > D - n \quad 1 \wedge$

$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \le j_{ik} \le \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \le j_i \le \quad \wedge$

$l_{ik} - j_{sa}^{ik} + 1 \quad \wedge l_i + \quad - s > l \quad \wedge$

$D \quad < n \wedge I = \Bbbk \quad 0 \wedge$

$\quad_a^{ik} < j_{sa}^{l} \quad 1 \wedge j_{sa}^s < j_s \quad -1 \wedge$

$s: \{j_s^s \quad \cdots, \Bbbk_1, j \quad \quad, j_{sa}^i\} \wedge$

$s \quad 4 \wedge s \quad s + \Bbbk \wedge$

$\Bbbk \quad : z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-n+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+\boldsymbol{n}+j_{sa}^{ik}-D-1}^{\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \Bbbk_2)!}$$

$$\frac{(n_s)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(l_s - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})! \cdot (l_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} \sum_{s=1}^{D - \boldsymbol{n}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{D-n+1} \sum_{(j_s = l_i + n - s + 1)}^{(l_{ik} - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik}}^{} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{}$$

$$\sum_{n_i + \Bbbk}^{} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(-j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \ \Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{(n_i\ \ s-I)!}{(n_i\ \ )\cdot(\boldsymbol{n}-s)!} \cdot$$

$$\frac{(l_s-k-1)!}{(\ -j_s-\ +1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D\ \ j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s > D-\boldsymbol{n}\ \ 1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s + j_{sa}\ \ 1 \leq j_{ik} \leq\ \ +j_{sa}^{ik}-s \wedge$

$j_{ik}+\ \ -j_{sa}^{ik} \leq j_i \leq\ \ \wedge$

$\boldsymbol{l}_{ik}\ \ -j_{sa}^{ik}+1\ \ \wedge \boldsymbol{l}_i +\ \ ^k-s > \boldsymbol{l}\ \ \wedge$

$D\ \ \ \ < n \wedge I = \Bbbk\ \ 0 \wedge$

$\ \ ^{ik}_{a} < j_{sa}^l\ \ 1 \wedge j_{sa}^s < j_s\ \ -1 \wedge$

$\boldsymbol{s}:\{j_s^s\ \ \cdots,\Bbbk_1, j_s\ \ \ \ _2, j_{sa}^i\} \wedge$

$s\ \ 4 \wedge \boldsymbol{s}\ \ s+\Bbbk \wedge$

$\ \ \Bbbk_\ \ :z=2\ \ \Bbbk=\Bbbk_1+\Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i \ldots -1)}{(j_s-2) \ldots (n_i-n_{is} \ldots +1)!}$$

$$\frac{(n_{is}-n_{ik}-\Bbbk \ldots 1)!}{(j_{ik}-j_s-1 \ldots + j_s-n_{is}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik} \ldots -\Bbbk_2 \ldots}{(j_i-j_{ik} \ldots)! \cdot (n_{ik} \ldots j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(\ldots-1)!}{(n_s \ldots j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik} \ldots \boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(l_i-k+1)} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + 1) \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} \quad s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i} \quad}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{=1}^{\boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}} \quad \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \quad \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \quad \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \quad \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \, \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \, \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \, \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \, \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \, \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \, \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \, \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(j_{ik}-j_{sa}^{ik}+1)} \sum_{(j_s+\boldsymbol{n}-D)}^{} \cdots$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{(\boldsymbol{l_s}+s-k)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_{ik} \ldots + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{= \boldsymbol{n} + \Bbbk \, (n_{is} = \ldots + 1)}^{n} \sum^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} \ldots + \Bbbk_2 - j_{ik}} \sum_{(\ldots - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk \ldots)}$$

$$\frac{\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!}$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (n \ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(\ldots_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_\cdot)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)\cdot(\boldsymbol{n}-s)} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-\cdot)}{(\boldsymbol{l_s}-j_s\quad1)!\cdot(\quad-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\cdot-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\cdot)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i \quad{}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \cdot + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \cdot + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \ldots - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{\ldots} - \boldsymbol{l_s})! \cdot (\ldots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \ldots - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \quad \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \quad \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!}$$

$$\frac{(\quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} -$$

$$\sum_{k=\quad}^{D+\boldsymbol{l_s}+s-\quad} \sum_{(\quad - j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i} \quad + j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}\quad} \sum_{(j_i = j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = \cdots + \boldsymbol{n} - D)}^{\cdots + \boldsymbol{n} - D - s)} \sum_{\cdots + \boldsymbol{n} + j_{sa}^{ik} - D}^{\boldsymbol{l}_i + j_{sa}^{ik} - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{\cdots + 1)} \sum_{n_i \cdots + \mathbb{k}\,(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{\cdots} \sum_{n_{ik} = \cdots \mathbb{k}_2 - j_{ik} + 1 \,(n_s = \boldsymbol{n} - j_i + 1)}^{n_{is} \cdots - j_{ik} - \mathbb{k}_1\,(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(\cdots - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_{ik} - \boldsymbol{l}_s - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l}_{ik} - j_{ik} - \boldsymbol{l}_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}+j_{ik}+j_i-\Bbbk_2} \sum_{(n_s=n-j_i+\ )}^{(n_{ik}+j_{ik}+j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-\ -1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)! \cdot (n-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-l_{\ \ })}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}_{\ \ } \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{s\ \ }^i \}$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \ \ + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \cdots)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1) \cdots (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - \cdots 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} \cdots (j_{ik} - j_s \cdots + 1)!} \cdot$$

$$\frac{(\cdots \boldsymbol{l_i})!}{\cdots \boldsymbol{n} - \cdots \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{\cdots = 1}^{D - \boldsymbol{n} \cdots \cdots +1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}$$

$$\sum_{\cdots k = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_s} + k)} \sum_{(j_i = \boldsymbol{l_{ik}} - j_{sa}^{ik})}$$

$$\sum \sum_{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{\mathbb{k}} \sum_{(n_i - n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \;\; D - \boldsymbol{n} \;\; \wedge$

$2 \leq j_s < j_{ik} - j_{sa}^{ik} + \;\; j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_s \;\; \leq j_i \leq \boldsymbol{n}$

$\boldsymbol{l_{ik}} \;\; + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \;\; I = \mathbb{k} > 0 \wedge$

$j \;\; 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-}^{(\quad)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{iS}=\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j}^{n_{iS}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}-\Bbbk_2)}
$$

$$
\frac{(-n_{iS}1)!}{(j_s2)!\cdot(n_i_s+1)!}\cdot
$$

$$
\frac{-n_{ik}\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{iS}+j_sn_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(n_{ik}--\Bbbk_2-1)!}{(j_i-j-1)!\cdot(+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}
$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - \Bbbk_2)!}$$

$$\frac{(n_s -)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(-j_s +)(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (- j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$D \geq n < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$s : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge s = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_i}^{D} = \sum_{k=1}^{n+1} \sum_{(j_s = l_s + n - D)}^{(l_{ik} + n - D - j_{sa}^{ik})}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{ik - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(l_s - k + 1)}^{} \sum_{(j_{ik}=j_s+j_{sa}^{ik})}^{l_s - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{} \sum_{n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1}^{} \sum_{n_{ik} = \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(k - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \quad \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \quad \sum_{(j_i=j_{ik}+s-j^{ik})}^{(\quad)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \quad \sum_{(n_{is}=\quad k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{\quad} \quad \sum_{=n_{ik}+j_{ik}-j_i-}^{(\quad)}$$

$$\frac{(n_i \quad s-I)!}{(n_i \quad)\cdot(n-s)!} \cdot$$

$$\frac{(l_s-k-1)!}{(\quad -j_s-\quad+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D \quad j_i-n-l_i)!\cdot(n-j_i)!}$$

$D \geq n < n \wedge l_s > D - n \quad 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > \quad \wedge l_i + \quad k - s > l \quad \wedge$

$D \quad < n \wedge I = \Bbbk \quad 0 \wedge$

$\quad^{ik} < j_{sa}^{\quad} \quad 1 \wedge j_{sa} < j_s \quad - 1 \wedge$

$s:\{j_s^s \quad \ldots, \Bbbk_1, j \quad , j_{sa}^i\} \wedge$

$s \quad 4 \wedge s \quad s + \Bbbk \wedge$

$\Bbbk \quad : z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-n+1} \quad \sum_{(j_s=l_s+n-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)!\cdot(n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s--\Bbbk_2)!}$$

$$\frac{(n_s-}{(n_s+j\quad\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\quad_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\quad1)!}{\quad-j_s\quad+\quad(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\quad j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{\quad}\boldsymbol{l_s})!\cdot(\quad-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\quad-\boldsymbol{l_{ik}}-s)!}{(j_{ik}\quad-j_i-\boldsymbol{l}\quad)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S_{ik,j_i}^{DO} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D \quad)!}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} +$$

$$\sum^{(\boldsymbol{l_s}-k+1)}_{ \quad +\boldsymbol{n}-D)}$$

$$\sum^{\boldsymbol{l_{ik}} \quad +1}_{j_{ik} \quad +j_{sa}^{ik}-k+1} \sum^{(\boldsymbol{l_i}-k+1)}_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum^{n}_{n_i=\boldsymbol{n}+\Bbbk} \sum^{(n_i-j_s+1)}_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}$$

$$\sum^{n_{is}+j_s-j_{ik}-\Bbbk_1}_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1} \sum^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}_{(n_s=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n}}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{}^{j_{sa}^{ik}}$$

$$\sum_{}^{(n_i - j_s + 1)} \sum_{}^{(n_{ik} + \Bbbk - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is}}^{} \sum_{}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} \quad \wedge$

$2 \leq j_s \quad j_{ik} - j_{sa}^{ik} + 1 \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa} \quad j_i \leq \boldsymbol{n}$

$\boldsymbol{l_{ik}} \quad +1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \quad I = \Bbbk > 0 \wedge$

$j_s \quad 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-n+1} \sum_{(j_s=l_s+n-D)}^{(l_i+n-D-s)}$$

$$\sum_{j_{ik}=l_{ik}+n-D}^{l_{ik}-k+1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=\;\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-\;+1}^{n_{is}+j_s-j_{ik}} \sum_{(n_s=n-j_i\;)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-\;-1)!}{(\;-2)!\cdot(\;-n_{\;}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}\;\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_{\;}-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\;-\Bbbk_2-1)!}{(j_i-\;-1)!\cdot(n_{\;}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j^{ik}_{sa}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j^{ik}_{sa}+1)!}\cdot$$

$$\frac{(l_i+j^{ik}_{sa}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j^{ik}_{sa}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j^{ik}_{sa}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j^{ik}_{sa})}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\ \ -j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j\ \ -j_{\ }-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s\ \ \Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}\ \ n_s-j_i-\Bbbk_2\ )} \cdot$$

$$\frac{(n\ \ -\ )!}{(n_s\ \ _i-\boldsymbol{n}\ \ -j_i)!} \cdot$$

$$\frac{(\ \ -k-1)!}{(\ \ -j_s-\ +1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\ -j_{sa}^{ik}+1\right)!}{\left(\ _{\ }+\boldsymbol{l_{ik}}\ \ _{\ }\ \right)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{\left(j_{ik}\ \ \boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}}\right)!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n})} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} (j_i + j_{sa}^{a} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_i})!}{ \boldsymbol{n} \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{}^{ l-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}$$

$$\sum_{k = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} +1} \sum_{(j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=i^l}^{} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}}^{(\quad _i l + 1)} \sum^{}$$

$$\sum_{n_s = n + \Bbbk \, (}^{n} \sum_{(n_i - j_{ik} - \Bbbk_1}^{(n_i - j_{ik} - \Bbbk_1 \quad)} \sum_{n - j_i + 1}^{n_{ik} + j_{ik} - j_{i} -}$$

$$\frac{(n_i - \quad - \Bbbk_1 - 1)!}{(j_{ik} - 2 \quad (n_i - \quad - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i - \quad - 1)! \cdot (n \quad + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(l_i + j_{sa}^{ik} - j_i - l_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{()}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i = s + 1)}^{(l_{ik} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l_i})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\quad-j_i)!}-$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=}^{n}\sum_{(n_{ik}=n_i-j\ \ -\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D\geqq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad D-\boldsymbol{n}\quad 1\wedge$

$1\leq\quad\leq j_{ik}-j_{sa}^{ik}+\quad\wedge j_s+j_{sa}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-\quad\leq j_i\leq\boldsymbol{n}\quad\wedge$

$\boldsymbol{l_{ik}}-\quad+1=\quad\quad+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s\quad\boldsymbol{n}\wedge$

$\quad>\boldsymbol{n}\quad\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$

$s>4\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,\,j_{ik},j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s}^{(\boldsymbol{l_s}+s-k)}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=n\;\;-j_s+1)}^{(n_i-j_s+1)}
$$

$$
\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\;+\,j_{ik}\;\;-\Bbbk_2)}
$$

$$
\frac{(\;-\,n_{is}\;\;1)!}{(j_s\;\;2)!\cdot(n_i\;\;\;s+1)!}\cdot
$$

$$
\frac{(\;-\,n_{ik}\;\;\Bbbk_1-1)!}{(\;_{ik}-j_s-1)!\cdot(\;_{is}+j_s\;\;\;_{ik}-j_{ik}-\Bbbk_1)!}\cdot
$$

$$
\frac{(n_{ik}-\;-\Bbbk_2-1)!}{(j_i-j_{i\;}\;1)!\cdot(\;\;+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_{} - j_{} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_{} - - 1)!}{(n_s - j_i - \boldsymbol{n} - - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + -)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}}^{} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\boldsymbol{l}_i - \boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i}^{} \sum_{(j_i = s+1)}^{(\ -k)}$$

$$\sum_{n_i = }^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{}$$

$$\sum_{= n_{is} + }^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \ _i \boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \cdots} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(\qquad)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdots j_i)!} +$$

$$\sum \sum_{\cdots (j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(l_i - {}_i l + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i \cdots_k - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = 1}^{{}_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ )}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+\ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ -s-\ )!}{(\ -\boldsymbol{n}-1)!\cdot(\ -s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}\ k-1)!}{(\ _i-k+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ )!}{(D+j_i\ \boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n\ \boldsymbol{l_s} \leq D-\boldsymbol{n}+1\ \wedge$$

$$\ \ j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s\ \wedge$$

$$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}\ \wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}}\ \wedge$$

$$\boldsymbol{l_i} \leq D+s-\boldsymbol{n}\ \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum^{_i l - 1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum^{_{sa}^{ik} - k} \sum_{(n_s = j_{ik} + s - j_{sa}^{ik})}^{(l_i - k)}$$

$$\sum_{n_i = \ \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(+1)}$$

$$\sum_{n_{is} \ \Bbbk_2 - j_{ik} + 1}^{- j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(n_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\,_i l}^{(\;)} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\left(l_i-\,_i l+1\right)} \sum_{(j_i=\,}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\,-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1\;)!}{(j_{ik}-2)!\cdot(n_i-\,_{ik}-j_{ik}-\Bbbk_1\;\;1)!}\cdot$$

$$\frac{(\;\;n_s-\Bbbk_2\;\;1)!}{(\;-j_{ik}-1)!\,(n_{ik}\;\;-\,_{\;\;}j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\;_i+j_{sa}^{ik}-l_{ik}-s)!}{(l_i+\;\;-j_i-l_{ik})!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=\,_i l}\sum_{(j_s=\,}^{(\ )}$$

$$\sum_{j_{sa}^{i}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk\,(n_{ik})}^{n}\sum_{}^{(\ )}\sum_{n_s=\,+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - \quad)!}{(n_i - n - \Bbbk)! \cdot (n - s)!} \cdot$$

$$\frac{(\quad - l_i)!}{(D\quad s - n - l_i)! \cdot (n - s)!}$$

$D \geq n < n \wedge l_s \leq D - n +$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + \quad ^{ik} - 1 \leq j_{ik} \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j \quad < n \wedge$

$l_{ik} - j_{sa}^{ik} + \quad = l_s \wedge l \quad j_{sa}^{ik} - s > l_{ik}$

$l_i \leq D + s - n$

$D \geq \quad < n \wedge I = \Bbbk > \quad \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - \quad \wedge j_{sa}^{s} < j \quad ^{i} - 1 \wedge$

$s : \{ j \quad , \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 4 \wedge s = \quad + \Bbbk \wedge$

$\quad \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{_i l - 1\,\left(l_{ik} - k - j_{sa}^{ik} + 2\right)} \sum_{(j_s = 2)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ldots)}$$

$$\frac{(n_i\ldots-1)\ldots}{(j_s-2)\ldots(n_i-n_{is}-\ldots+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ldots-1)!}{(j_{ik}-j_s-1)\ldots+j_s-n_{\ldots}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\ldots-\Bbbk_2-\ldots)}{(j_i-j_{ik}-\ldots)!\cdot(n_{ik}-\ldots_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n\ldots-1)!}{(n_s\ldots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j\ldots+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{\left(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - \ )} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!}$$

$$\sum_{-1}^{(l_{ik} - \Bbbk_{sa}^{ik} + 2)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = +j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \ _i l} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \quad)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!} \cdot$$

$$\frac{(\quad)!}{(D + \quad \boldsymbol{n} - \boldsymbol{l_i})! \quad j_i)!} +$$

$$\sum \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{(n_{ik} - \Bbbk_1 + 1)} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

714 $D > \boldsymbol{n} < n$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{(\ )} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+\ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(\ -s-\ )!}{(\ -\boldsymbol{n}-1)!\cdot(\ -s)!}\cdot$$

$$\frac{(\boldsymbol{l}_{s}\ k-1)!}{(\ i-k+\ )!\cdot(j_s-2)!}$$

$$\frac{(D-\ )!}{(D+j_i\ -\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=\ _i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\ \Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+s-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n\ \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$\ -\ j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i+j_{sa}^{ik}-s > \boldsymbol{l}_{ik} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l}_i \leq D+\boldsymbol{l}_s+s-\boldsymbol{n}-1 \wedge$

$D \geq \mathbf{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \mathbf{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,\,j_{ik},\,j_i}^{DOSD} = \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{\,_{i}l-1} \sum \sum_{(\mathbf{l}_i + \mathbf{n} - D)}^{j_i + \mathbf{n} - s\ (\mathbf{l}_{ik} + s - k - j_s + 1)} \sum_{n_i = \cdots}^{n} \sum_{(n_{is} = \mathbf{n} + \Bbbk - j_s + 1)}^{\cdots + 1} \sum_{\Bbbk_2 - j_{ik} + 1}^{n_{is} + \cdots - j_{ik} - \Bbbk_1\ (n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{(n_s = \mathbf{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l}_s - k - 1)!}{(\mathbf{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l}_i + j_{sa}^{ik} - \mathbf{l}_{ik} - s)!}{(j_{ik} + \mathbf{l}_i - j_i - \mathbf{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\ -k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{\ }}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\ +j_{ik}-\ -\Bbbk_2)}$$

$$\frac{(\ -n_{is}\ -1)!}{(j_s-2)!\cdot(n_i-\ \ +1)!}\cdot$$

$$\frac{(\ -n_{ik}\ -\Bbbk_1-1)!}{(\ _{ik}-j_s-1)!\cdot(\ _{is}+j_s-\ _{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j_{\ }-1)!\cdot(\ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ {}_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-{}_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})!}{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})!\cdot(j_i)!}\cdot$$

$$\frac{(D)!}{(D+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_{ik}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f_z^{\ (\ )}{}_{ik} = \sum \cdots \sum_{(j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i - s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum \qquad \sum^{(n_i + 1)}$$

$$\frac{(n_{is} - 1)!}{(j_s - 2)! \cdot (n_s - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_s + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

720 $\qquad D > \pmb{n} < n$

$$\sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{ik}=\pmb{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\pmb{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik}-2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk)!}$$

$$\frac{(n_s - 1}{(n_s + j_i - \pmb{n} - 1)! (\pmb{n} - j_i)!}$$

$$\frac{(\pmb{l} + j_{sa}^{ik} - \pmb{l}_{ik}}{(\pmb{l}_i + j_{sa}^{ik} - \pmb{l}_{ik})! \cdot (j_i)!} \cdot$$

$$\frac{(D - }{(D + j_i - 1)! (\pmb{n} - j_i)!} -$$

$$\sum_{k=1}^{D + s - \pmb{n} - \pmb{l}_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \pmb{l}_i + \pmb{n} - D)}^{(\pmb{l}_s + s - k)}$$

$$\sum_{n_i = \pmb{n} + \Bbbk}^{n} \sum_{(n_{is} = \pmb{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \pmb{n} - I)! \cdot (\pmb{n} - s)!} \cdot$$

$$\frac{(\pmb{l}_s - k - 1)!}{(\pmb{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \pmb{l}_i)!}{(D + j_i - \pmb{n} - \pmb{l}_i)! \cdot (\pmb{n} - j_i)!}$$

$D \geq \pmb{n} < n \wedge \pmb{l}_s \leq D - \pmb{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$f2\cdots_{jik} = \sum \sum_{(\cdots=j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\cdots-D-s-1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = \ \ + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\ \ + \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk \ \ -1)}^{(n_i \ \ +1)}$$

$$\sum_{n_{ik} - \ \Bbbk_2 - j_{ik} +}^{n_{is} + j_s - j_{ik} - \Bbbk} \sum_{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ \ _i + 1)}$$

$$\frac{(\ - n_{is} - 1)!}{(j \ \ 2)! \cdot (\ \ - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n \ - \Bbbk_1 - 1)!}{(j_{ik} - j \ \ 1)! \cdot (n \ \ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \ _i\boldsymbol{l}}^{} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(l_i - \ _i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)! \cdot (n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})!}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})! \cdot (j_i)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\ldots-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{(\ \ )} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$f \ldots j_{ik} = \sum \cdots \sum^{(\ \ )}_{\cdots\ j_{sa}^{ik}+1)}$$

$$\sum_{k=j_{sa}^{ik}+1}^{\boldsymbol{l_i}+\boldsymbol{n}+\cdots-D-s-1} \ \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k}\sum_{(j_i=\quad+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{\quad}^{(n_i\quad+1)}$$

$$\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-\quad1)}^{\quad}$$

$$\sum_{n_{ik}=\quad\Bbbk_2-j_{ik}+1}^{+j_s-j_{ik}-\Bbbk_1\quad\quad_{ik}+j_{ik}-j_i-\Bbbk_2)}\sum_{\quad}^{(\quad_i+1)}$$

$$\frac{(\quad-n_{is}-1)!}{(j_s\quad2)!\cdot(\boldsymbol{n}\quad n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n\quad-\Bbbk_1-1)!}{(_{ik}-j_s\quad1)!\cdot(\boldsymbol{n}\quad+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\quad_k-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k={}_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{}\sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(l_i-{}_i\boldsymbol{l}+1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk\ )!}$$

$$\frac{(n_s-1\ )}{(n_s+j_i-\boldsymbol{n}-1)!\ (\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}\ +j_{sa}^{ik}-\boldsymbol{l}_{ik}\ )}{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik})!\cdot(j_i\ )!}\cdot$$

$$\frac{(D-\ )}{(D\ +j_i-\ )!\ (\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\ -\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_s\ ^k-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\begin{aligned}
&= \sum^{l-1} \sum^{(l_i + \boldsymbol{n} - D - s)}_{(k=2)} \\
&\quad \sum_{j_{ik} = j_s + j_{sa} - 1} \sum^{(l_i - k + 1)}_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)} \\
&\quad \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum^{(n_i - j_s + 1)}_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)} \\
&\quad \sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}_{(n_s = \boldsymbol{n} - j_i + 1)}
\end{aligned}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{ik}} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = \ldots + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{\ldots \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \ldots + 1)}^{(n_i \ldots + 1)}$$

$$\sum_{n_{ik} = \ldots + \Bbbk_2 - j_{ik} \ldots}^{n_{is} + j_s - j_{ik} - \ldots} \sum_{\ldots}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2 \ldots)}$$

$$\frac{(\ldots - n_{is} - 1)!}{(\ldots - 2)! \cdot (\ldots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ldots - \Bbbk_1 - 1)!}{(j_{ik} - \ldots - 1)! \cdot (\ldots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ldots_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l_{ik}})!}{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}})!\cdot(j_i)!}\cdot$$

$$\frac{(D)!}{(D+j_i-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$

$D > \boldsymbol{n} < n$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\odot SD_{js} = \sum^{l-1} \sum_{(l_s=2)}^{(l_i + \boldsymbol{n} - D - s)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{(l_i - k + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s \right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s \right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = l_i + n - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i \cdots + s - j_{sa}^{ik})}^{(l_i - k + 1)}$$

$$\sum_{\cdots n + \Bbbk \, (n_{is} = n + \cdots + 1)}^{n \qquad (n_i \cdots + 1)}$$

$$\sum_{n_{ik} \cdots + \Bbbk_2 - j_{ik} \cdots}^{n_{is} + j_s - j_{ik} - \cdots \quad (n_{ik} + j_{ik} - j_i - \Bbbk_2 \cdots}} \sum_{\cdots j_i + 1)}$$

$$\frac{\cdots - n_{is} - 1)!}{(\cdots - 2)! \cdot (\cdots - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \cdots - \Bbbk_1 - 1)!}{(j_{ik} - \cdots - 1)! \cdot (n \cdots + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \cdots_k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k = \, _il} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = l_i + n - D)}^{(l_i - \, _il + 1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk \,)!} \cdot$$

$$\frac{(n_s - 1 \quad}{(n_s + j_i - \boldsymbol{n} - 1)! \quad \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l} \quad + j_{sa}^{ik} - \boldsymbol{l_{ik}}}{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}})! \cdot (j_i \quad)!} \cdot$$

$$\frac{(D - \quad)!}{(D \quad j_i - \quad 1)! \quad \boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s} \quad \boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = l_i + \boldsymbol{n} - D - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \wedge$$

$$D \geq n < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$s: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge s = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} \sum_{}^{i^{l-1}(\quad+1)} \sum_{(j_s=2)}^{}$$

$$\sum_{=j_i + j_{sa}^{ik} - s}^{} \sum_{(j_i=s+1)}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+1)}^{(n_i+1)}$$

$$\sum_{n_{ik}+\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}} \sum_{(j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(\; - n_{is} - 1)!}{(\; - 2)! \cdot (\; - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \; - \Bbbk_1 - 1)!}{(j_{ik} - \; - 1)! \cdot (n \; + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \;_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k={}_i\boldsymbol{l}}^{(\;)} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s)}^{(l_i-{}_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{n_{ik}+j_{ik}-j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa})!}{(\boldsymbol{l_{ik}}-j_{ik}-+1)!\cdot(j_{ik}-k)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+1)}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\quad)} \sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk) \cdot (\boldsymbol{n}-s)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})}{(D + s - \boldsymbol{l_i})! \cdot (\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_s^{ik}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \quad \boldsymbol{s} = s + \Bbbk$

$\Bbbk_2 z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ - k - 1\ )}{(\boldsymbol{l_s} - \ - k + 1\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ _{ik})}{(D + j_i \ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i \boldsymbol{l} - 1} \sum_{(j_s = 2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_s} + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \ )!}$$

$$\sum_{k= }^{ } \sum_{(j_s=1)}^{( )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{i^{l+1}} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{( )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk }^{n} \sum_{=\boldsymbol{n}+\Bbbk_2 + 1)}^{(n_{ik}-\Bbbk_1+} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i \quad n_{ik} - \Bbbk_1 - 1)!}{(\ - 2)! \cdot (\boldsymbol{n} - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{( )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{( )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l_i})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\quad-j_i)!}$$

$$\sum_{k=\;_i\boldsymbol{l}}^{(\quad)}\sum_{(j_s=\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\quad)}\sum_{(j_i=s)}$$

$$\sum_{n_i=\quad}^{n}\sum_{(n_{ik}=n_i-j\quad\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geqq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad<D-\boldsymbol{n}\quad1\wedge$$

$$1\leq\quad\leq j_{ik}-j_{sa}^{ik}+\quad\wedge j_s+j_{sa}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j\quad\leq j_i\leq\boldsymbol{n}\quad$$

$$\boldsymbol{l_{ik}}-\quad^{ik}+1>\quad+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_{ik}}\leq D+j\quad-\boldsymbol{n}\wedge$$

$$\quad>\boldsymbol{n}\quad\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge\boldsymbol{s}=s+\Bbbk\wedge$$

740 $\qquad$ $D > \boldsymbol{n} < n$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum^{(\quad j_s+1)}_{(\quad n+\quad j_s+1)}$$

$$\sum_{\quad}^{n_{is}+j_s-\quad\mathbb{k}_1} \sum^{(n_{ik}+j_{ik}-\quad)}_{(\quad=\boldsymbol{n}-j_i+1)}$$

$$\frac{(n_i - n_{is}\quad)}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}\quad_{ik}-\mathbb{k}_1\quad 1)!}{(j_{ik}\quad j_s-1)!\cdot(n\quad+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!}\cdot$$

$$\frac{(n_{i}\quad_s-\mathbb{k}_2-1)!}{(j\quad j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l}_{ik}-\boldsymbol{l}_s-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l}_{ik}-j_{ik}-\boldsymbol{l}_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k={}_il}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-{}_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa})!}{(\boldsymbol{l_{ik}}-j_{ik}-+1)!\cdot(j_{ik}-j^k)!}\cdot$$

$$\frac{(D-)!}{(D-j_i-1)!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k={}_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\;)} \sum_{(j_i=s)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i+}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)\cdot(\boldsymbol{n}-s)} \cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{s}^{i}$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} -$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik}$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \quad \boldsymbol{s} = s + \Bbbk$

$\Bbbk_2 \quad z = 2 \wedge \Bbbk \quad \Bbbk_1 + \Bbbk_2$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(\boldsymbol{l_s} - - k + 1)! \cdot (- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \phantom{l_{ik}})!}{(D + j_i \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i \boldsymbol{l} - 1} \sum_{(j_s=2)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_i + j_{sa}^{ik} - s} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - }$$

$$\sum_{k=}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{=j_i+j_{sa}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk_1} \sum_{=\boldsymbol{n}+\Bbbk_2 \quad +1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i \quad n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (\quad - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} \quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right.$

$s > 4 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ldots)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ldots_s - k - 1)!}{(\boldsymbol{l_s} - \ldots - k + \ldots - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{\ldots} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - \ldots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ldots_{ik} \ldots)!}{(D + j_i \ldots \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - \ldots)}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{()}$$

$$\sum_{n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}- \ldots s+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=n+\mathbb{k}}^{n} \sum_{=n+\mathbb{k}_2 \ldots +1)}^{(\ldots ik-\mathbb{k}_1+ \ldots)} \sum_{n_s=n-j_i+1}^{\ldots -j_i-\mathbb{k}_2}$$

$$\frac{(n_i - n_{ik} - \mathbb{k}_1 - 1)!}{(\ldots - 2)! \cdot (n \ldots - n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{\ldots n_s - \mathbb{k}_2 - 1)!}{(j_i \ldots _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{()}$$

$$\sum_{n_i=n+\mathbb{k}}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l}}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} \quad 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right.$

$s > 4 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k +)\cdot(\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i \boldsymbol{l} - 1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + j_{sa}^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -)}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{+j_{sa}^{ik}-D-}^{\boldsymbol{l_i}+j_{sa}^{ik}-\ \ s+1} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{=\boldsymbol{n}+\Bbbk_2\ \ +1)}^{} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i\ \ n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (- n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i\ \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l}\ \ )}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})\ \ (\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$$

$$1 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq j_{ik} \leq j_i+j_{sa}^{ik}-s \wedge$$

$$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l}\ \ \wedge$$

$$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - \ \ $$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right.$$

$$s > 4 \wedge \boldsymbol{s} = s + \ \ \wedge$$

$$\Bbbk_z : z \ \ 2 \ \ = \Bbbk_1 + \ \ \Rightarrow$$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - l_s - k + 1)! \cdot (l_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} - \cdots)! \cdot (j_{ik} - \cdots - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{ik})!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik}=j_i + j_{sa}^{ik} - s}^{(l_{ik} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = l_s + s - k + 1)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{ik-s}^{(l_{ik}+s-_i \ \ 1)} \sum_{(j_i=l_{ik}+s-D-j_{sa}^{ik})}^{}$$

$$\sum_{n_i=n+\Bbbk}^{(n-j_{ik}-\Bbbk_1+1)} \sum_{=n+\Bbbk_2-j+1)}^{} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{-2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_{ik}+n+s-D-j_{sa}^{ik})}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ \ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l}\quad)}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\ (\boldsymbol{n}-j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\quad \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - \quad$$

$$\boldsymbol{s}: \left\{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\right.$$

$$s > 4 \wedge \boldsymbol{s} = s + \quad \wedge$$

$$\Bbbk_z: z = 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{\left(j_i=j_{ik}+s-j_{sa}^{ik}\right)}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{\left(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1\right)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{\left(n_s=\boldsymbol{n}-j_i+1\right)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - l - k + 1)! \cdot (l_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa} + 1)!}{(j_s + l_{ik} - j_s - 2)! \cdot (j_{ik} - l_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_{ik})!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = l_s + j_{sa}^{ik} - k + 1}^{l_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} -)}$$

$$\sum_{k=}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{l_{ik}+l+1}\sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n}\sum_{=\boldsymbol{n}+\mathbb{k}_2-+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\mathbb{k}_2}$$

$$\frac{(n_i \quad n_{ik} - \mathbb{k}_1 - 1)!}{-2)! \cdot (-n_{ik} - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{n_s - \mathbb{k}_2 - 1)!}{(j \quad _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s- \ )!}$$

$$\frac{(D-\boldsymbol{l} \ )}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i}) \ (\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l} \ \wedge$

$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}- \ \ $

$\boldsymbol{s}:\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^{i} $

$s>4\wedge\boldsymbol{s}=s+ \ \wedge$

$\Bbbk_z:z \ 2\ \wedge \ =\Bbbk_1+ \ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$D > \boldsymbol{n} < n$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \,)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\;\;k - 1\,}{(\boldsymbol{l_s} - \;\; - k + \;\; - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\,} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \;\;)! \cdot (j_{ik} - \;\; - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \;\;_{i\;})}{(D + j_i\;\; - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\;\;=1}^{\;\;\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\;\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=l_{ik}+n-l+1}^{l_{ik}} \sum_{=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{=n+\Bbbk_2}^{(n_{ik}-\Bbbk_1+1} \sum_{n_s=n-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(n - 2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\mathbb{k}_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\mathbb{k}_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \quad}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}) \quad (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l} \quad \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \quad {}_{sa}^{ik} - 1 \leq \quad \leq j_i \quad {}^{ik} \quad$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \quad D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad {}_{sa}^{ik} + \quad {}_s + j_{sa}^{ik} - 1 \leq \quad \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_{\quad} \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s \quad 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s \quad)\big) \wedge$

$D \quad \quad n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - \quad \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} \quad (\quad, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+}^{(l_s+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+}^{+j_{ik}-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_s+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_{ik}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(l_i-k+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1 - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(k - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - s)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{(\ )} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{\left(l_i-\,_il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} \quad _{ik} - s\right)!}$$

$$\frac{(D \qquad)}{(D + j_i \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad _i)!} -$$

$$\sum_{k=1}^{} \sum_{(\quad j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\;)} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} -)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j \quad \leq j_i + j_{sa}^{ik} - \quad$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \quad 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{s} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$

$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \quad \wedge$

$\boldsymbol{l} \quad s + 1 > \quad$

$\boldsymbol{l}_i \quad D + s - \boldsymbol{n})\big)$

$\quad \geq \boldsymbol{n} \quad \wedge I = \Bbbk > $

$j_{sa}^{ik} < j_{sa}^{i} - 1 \quad a - 1 \wedge$

$\boldsymbol{s}: (j_{sa}, \cdots, \quad j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$\quad > 4 \wedge \boldsymbol{s} \quad s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$${}_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}-j_i-1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\,(n_{is}-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(l_{ik}-l_s-j_{sa}^{ik}+1\right)!}{(j_{ik}+l_{ik}-j_{ik}-l_s)!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{\left(l_i+j_{sa}^{ik}-l_{ik}-s\right)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=l_s+j_{sa}^{ik}-k+1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s \cdots)}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \cdots j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} \cdots - 1)!}{\cdots j_s \cdots + \cdots (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} \cdots j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (\cdots - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \cdots - \boldsymbol{l_{ik}} - s)!}{(j_{ik} \cdots - j_i - \boldsymbol{l}\cdots)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{\boldsymbol{l_{ik}}-\,_i\boldsymbol{l}+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - \right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot \left(- j_i\right)!}$$

$$\sum_{\left(j_s = j_{ik} - j_{sa}^{ik} + \right)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1} \sum_{\left(j_i = j_{ik} + s - j_{sa}^{ik}\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{\left(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1\right)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{\left(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2\right)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \boldsymbol{_il}} \sum_{(j_s = 1)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - \ )!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 > \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - s + 1 > \boldsymbol{l}_s \wedge$

$\boldsymbol{l}_i \leq D + s - \boldsymbol{n})\big) \wedge$

$(D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{ik} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}, \cdots, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} \leq s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\ldots)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\ldots-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk\ldots)}$$

$$\frac{(n_i \ldots -1)\ldots}{(j_s-2)\ldots(n_i-n_{is}\ldots+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\ldots 1)!}{(j_{ik}-j_s-1\ldots + j_s-n_{\ldots}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}\ldots-\Bbbk_2-\ldots)}{(j_i-j_{ik}-\ldots)!\cdot(n_{ik}\ldots j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n\ldots-1)!}{(n_s\ldots j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j\ldots l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\;_i l} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\;_i l+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{\left(l_i-\;_i l+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \quad)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} - 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (\quad - j_{sa}^{ik})!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}}\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}) \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\quad + j_i - \boldsymbol{n} - \boldsymbol{l_i}) \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{\quad} \sum_{(j_s=2)}^{\quad}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})}{(D+s-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1$

$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$

$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_i}-\ 1>\boldsymbol{l_s}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk\ 0\wedge$

$j_{sa}^{ik}<j_{sa}^i\ 1\wedge j_{sa}^s<j_s^l-1\wedge$

$\boldsymbol{s}:\{j_s^s\cdots,\Bbbk_1,j_{sa}\cdots 2,j_{sa}^i\}\wedge$

$s>4\wedge\boldsymbol{s}\ s+\Bbbk\wedge$

$z=2\ \Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$

$${}_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{i^{l-1}}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk+1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1\right)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot\left(j_{ik}-j_s-j_{sa}^{ik}+1\right)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s\right)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot\left(j_i+j_{sa}^{ik}-j_{ik}-s\right)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_i l-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk)!}$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-\,-\Bbbk_2)!}$$

$$\frac{(n_s-}{(n_s+j\,-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\,_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}\,-1)!}{-j_s\,+\,(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}\,j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j\,-\boldsymbol{l_s})!\cdot(\,-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\,-\boldsymbol{l_{ik}}-s)!}{(j_{ik}\,-j_i-\boldsymbol{l}\,)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\,_i\boldsymbol{l}}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\,_i\boldsymbol{l}+1}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} -)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (- j_i)!}$$

$$\sum_{k=}^{D+l_s+s-} \sum_{(j_s = j_{ik} - j_{sa}^{ik}+)}^{( )}$$

$$\sum_{j_i + j_{sa}^{ik} - s}^{(l_s + s - k)} \sum_{(j_i = l_i + \boldsymbol{n} - D)}^{}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{( )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$((\; \geq \boldsymbol{n}\; < n \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{\;} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$D + s - \boldsymbol{n} < l_i \leq D + l_s + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge l_s \leq D - \boldsymbol{n} + 1 \wedge$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_i}^{j_{ik}, SD} = \sum_{k=1}^{l - \dots_k - j_{sa}^{ik} + 1} \sum_{(j_s=2)}^{} $$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{\dots}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - \;}$$

$$\sum_{k=1}^{i l} \sum_{=2)}^{(l_s - k + 1)}$$

$$\sum_{+ j_{sa}^{ik} - k + 1}^{l_{ik} \quad 1} \sum_{= j_{ik} + s - j_{sa}^{ik})}^{(l_i \quad)}$$

$$\sum_{n_i - \;\Bbbk\;(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{n \quad +1)}$$

$$\sum_{n_{is} \quad \Bbbk_2 - j_{ik} + 1}^{n_{is} \quad - j_{ik} - \Bbbk_1 \quad (n_{ik} + j_{ik} - j_i - \Bbbk_2)} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(\;_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{\left(j_s + l_{ik} - j_{ik} - l_s\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{\left(j_{ik} + l_i - j_i - l_{ik}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-\ _i\boldsymbol{l}+1} \sum_{(\ \boldsymbol{l_i}+\boldsymbol{n}-D)}^{\left(l_i-\ _i\boldsymbol{l}+\ \right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\ (n_{ik}=\boldsymbol{n}+\Bbbk\ \ \ _{ik}+1)}^{n\qquad (n_i-j_{ik}-\Bbbk_1+1)\qquad n_{ik}+\ \ \ -j_i-\Bbbk_2}\ \ \sum_{(n_s=\boldsymbol{n}-\ \ \ )}$$

$$\frac{(\ \ - n_{ik} - \ \ - 1)!}{(j_{ik} - 2)\cdot(n_i\ -j_i\ -\Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - \ \ - \Bbbk_2 - 1)!}{(j_i - j_{ik} - \ \ )!\cdot(n_{ik} + \ - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s\ \ j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ \ _{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\ \ _k + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{n\qquad (n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\,)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l})}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\,(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}\quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \quad {}^{k}_{sa} - 1 \leq \quad \leq j_i \quad {}^{ik} \quad$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} \quad \boldsymbol{l_i} \leq D \quad + s - \boldsymbol{n} - 1)$

$D \geq \boldsymbol{n} < n \wedge I = \quad > 0 \wedge$

$j_{sa}^{ik} < \quad - 1 \wedge j_{sa}^{s} < j \quad - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \cdots, \Bbbk \quad {}^{ik}_{sa}, \cdots, \Bbbk \quad {}^{i}_{sa}\} \wedge$

$s \quad = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \quad = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(n-k-1)!}{(n-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_{ik}}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)}{(\boldsymbol{l_s} - - k +)(- 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} -)! \cdot (j_{ik} - - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + k - \boldsymbol{l_{ik}} -)}{(j_{ik} + \boldsymbol{l_i} - - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i\boldsymbol{l}}^{\ } \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}-\ _i\boldsymbol{l}+1} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(l_i + j_{sa}^{ik} - l_{ik} - s)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{)} \sum (\quad j_{sa}^{ik})$$

$$\sum \sum^{(n_i-j_s+1)}$$

$$\sum_{n+\Bbbk \, (n \quad n+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is} \quad -j_{ik}-\Bbbk_1}^{} \sum_{ n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$D \geq n < n \land l_s \quad D - n \quad 1 \land$

$1 \leq j \quad \leq j_{ik} - j_{sa}^{ik} + \quad j_s + j_{sa} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \land$

$j_{ik} + s - j_s \leq j_i \leq n$

$l_{ik} \quad + 1 = l_s \quad l_i + j_{sa}^{ik} - s > l_{ik} \land$

$l_i > D + l_i \quad + s - n - j_{sa}^{ik} \land$

$\quad n \quad \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} < j_{sa}^i - 1 \land j_{sa}^s < j_{sa}^{ik} - 1 \land$

$s: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i\} \land$

$s > 4 \land s = s + \Bbbk \land$

$$D > \boldsymbol{n} < n$$

$$\Bbbk_z: z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l}_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\ldots}^{n} \sum_{(\ldots+\ldots j_s+1)}^{(\ldots j_s+1)}$$

$$\sum_{\ldots_{ik}+1}^{n_{is}+j_s-\ldots\Bbbk_1} \sum_{\ldots=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-\ldots)}$$

$$\frac{(n_i-n_{is}\ldots)}{(j_s-2)\ldots(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}\ldots_{ik}-\Bbbk_1\ldots1)!}{(j_{ik}\ldots j_s-1)! \cdot (n_{\ldots}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}\ldots_s-\Bbbk_2-1)!}{(\ldots j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)!\cdot(\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\,_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l}_i+\boldsymbol{n}-D)}^{(\boldsymbol{l}_i-\,_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)}{(n_s+j_i-\boldsymbol{n}-1)!\,(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l}+j_{sa}^{ik}-\boldsymbol{l_{ik}})}{(\boldsymbol{l_i}+j_{sa}^{ik}-s-\boldsymbol{l_{ik}})!\cdot(j_i)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{+j_i\quad(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_{ik}-j_{sa}^{ik}+1 \wedge j_s+j_{sa}^{ik}-1 \leq \;\; \leq j_i+j_{sa}^{ik}-$

$j_{ik}+s-j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i}-1 \wedge j_{sa}^{s} < j_{sa}^{ik}-1 \wedge$

$s\in\{j_{sa}^{s},\cdots,\Bbbk_1,j^{ik},\cdots,\Bbbk_2,j_{sa}\} \wedge$

$s > 1 \wedge \boldsymbol{s} = s+\Bbbk$

$\Bbbk_z: z = \quad \wedge \Bbbk = \Bbbk_1+\Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - 1)!}{(l_s-j_s+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i+j_{sa}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})! \cdot (l_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \quad \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\quad)}$$

$$\sum_{j_{ik}=\boldsymbol{l}_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l}_{ik}-k+1} \quad \sum_{(j_i=\boldsymbol{l}_{ik}+s-k-j_{sa}^{ik}+2)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \quad \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \quad \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \quad j_{ik} - s)!}$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad _i)!} -$$

$$\sum_{k= \quad}^{D + \boldsymbol{l_s} + s \quad} \sum_{(\quad + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{j_{ik} \quad +j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\quad > \boldsymbol{n} \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$D > \boldsymbol{n} < n$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$
{}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s \, \cdots_z + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\quad)}
$$

$$
\sum_{j_{ik} = \boldsymbol{l}_s + n_{ik} - D - 1}^{j_i + j_{sa}^{ik} \cdots s} \sum_{(j_i = \boldsymbol{l}_i + \cdots)}^{(\boldsymbol{l}_s \cdots s - k)}
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(\cdots - j_s + 1)}^{(n_i - j_s + 1)}
$$

$$
\sum_{n_{ik} = \cdots \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - \cdots \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(\cdots 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - \cdots_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{\left(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s \right)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s \right)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\quad)}
$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=l_s+s-k+1)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)}{(j_s-2)\cdot(n_i-n_{is}-+1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\cdot(n_i-n_{is}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s-j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_s+l_i-j_i-l_{ik})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}-$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_i+j_{sa}^{ik}-s}^{} \sum_{(j_i=l_i+n-D)}^{(l_s+s-k)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \quad)!} \cdot$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D - \boldsymbol{n} + 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad)} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} \qquad j_{ik} - s)!}$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \qquad j_i)!} +$$

$$\sum_{j_{ik}=\boldsymbol{l} \quad +j_{sa}^{ik}-D-s}^{l_{ik}- \quad 1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \; -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \; \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_{ik}}-k+1} \; \sum_{(j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\,(n_{iS}=\boldsymbol{n}\ +1)}^{\boldsymbol{n}\quad (n_i\ +1)}$$

$$\sum_{n_{ik}=n_{iS}\ +j_{ik}-\Bbbk_1\ \ -j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i\ -I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s}\ + j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s}\ \ D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik}\ \ j_{sa}^{ik} + 1\ \ j_s + j_{sa}^{ik} - 1 \leq j_i \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i\ \ \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_s + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}\ \ j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n\ \ I = \Bbbk >\ \wedge$

$j_{sa}^{ik}\ \ j_s - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk\ \ j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s\ \ s = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \; \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=l_s+n+j_{sa}^{ik}-D-1}^{l_i+n+j_{sa}^{ik}-D-s-1} \sum_{(j_i=l_i+n-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \qquad -1)}{(j_s-2) \cdot (n_i-n_{is} \qquad +1)!}$$

$$\frac{(n_{i} -n_{ik} -\Bbbk \quad 1)!}{(j_{ik}-j_s-1) \cdot (n_{i} \cdots -n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik} \quad -\Bbbk_2 \quad)}{(j_i-j_{ik} \quad)! \cdot (n_{ik} \cdots -n_s-j_i-\Bbbk_2)!}$$

$$\frac{(n_s -1)!}{(n_s \quad j_i-n-1)! \cdot (n-j_i)!}$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!}$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!}$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!} +$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=j_{ik}+l_s-l_{ik})}^{(\quad)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$\qquad D > \boldsymbol{n} < n$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k +)\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l} - s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!}$$

$$\frac{(D - \boldsymbol{l_i})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{+\boldsymbol{l_s}+s-} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}}^{DOS} \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_{ik}+n-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{(l_i-k+1)} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{ik}} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = \ \ + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{\boldsymbol{n} + \Bbbk \ (n_{is} = \boldsymbol{n} + \ \ + 1)}^{n} \ \ \ \ ^{(n_i \ \ + 1)}$$

$$\sum_{n_{ik} = \ \ + \Bbbk_2 - j_{ik}}^{n_{is} + j_s - j_{ik} - \ \ } \sum_{}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2} \ \ \ _{j_i + 1)}$$

$$\frac{(\ \ - n_{is} - 1)!}{(\ \ - 2)! \cdot (\ \ - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - \ \ - \Bbbk_1 - 1)!}{(j_{ik} - \ \ - 1)! \cdot (n \ \ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{ik}} - k - j_{sa}^{ik} + 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_{?})}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k - ?)}{(l_s - j_s - ? - 1)! \cdot (? - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - ? - l_i)! \cdot (\boldsymbol{n} - ?)}$$

$D \geq \boldsymbol{n} < n \wedge l_s > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 ? j_{ik} \leq j_? + ?^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - ?$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, ?, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = ? + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = ? + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \quad)}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_{ik}} \quad)}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(l_i + j_{sa}^{ik} - l_{ik} - s\right)!}{(j_{ik} + l_i - j_i - l_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = l_i + n - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + l_{ik}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n + k \ (n_{is} = n + k - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{k = n_{is} + j_s - k - k_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - k_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - n - I)! \cdot (n - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n \ \wedge \ l_s > D - \ + 1 \ \wedge$$

$$2 \leq j_s \leq j_{ik} \ \ ^{ik} + \ \ \ j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \ \wedge$$

$$j_{ik} \ \ + s - \ ^{ik} \leq j_i \leq n \ \wedge$$

$$l_{ik} - j_{sa}^{ik} + \ \ > l_s \ \wedge \ l_i + j_{sa}^{ik} - s = l_{ik} \ \wedge$$

$$D \geq n < n \ \wedge \ I = k > 0 \ \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \ \wedge \ j_{sa}^{s} < j_{sa}^{ik} - 1 \ \wedge$$

$$s \colon \left\{ j_{sa}^{s}, \cdots, k_1, j_{sa}^{ik}, \cdots, k_2, j_{sa}^{i} \right\} \ \wedge$$

$$s > 4 \ \wedge \ s = s + k \ \wedge$$

798    $D > \boldsymbol{n} < n$

$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(=\boldsymbol{n}+\;j_s+1)}^{(\;\;j_s+1)}$$

$$\sum_{=j_{ik}+1}^{n_{is}+j_s-j\;\;\mathbb{k}_1} \sum_{=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j\;\;k_2)}$$

$$\frac{(n_i - n_{is}\;\;)}{(j_s-2)\;\;(n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}\;\;n_{ik}-\mathbb{k}_1\;\;1)!}{(j_{ik}\;\;j_s-1)! \cdot (n\;\;+j_s-n_{ik}-j_{ik}-\mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik}\;\;s-\mathbb{k}_2-1)!}{(\;\;j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\mathbb{k}_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{}-j_s+1)} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_{}-j_{}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_{}-1)!}{(n_s+j_i-\boldsymbol{n}-\boldsymbol{}-j_i)!} \cdot$$

$$\frac{(-k-1)!}{(-j_s-\Bbbk+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}}--j_{sa}^{ik}+1)!}{(+\boldsymbol{l_{ik}}-)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{()}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{()}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)! \cdot (\boldsymbol{n}-s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{sa}S_{ik,j_i}^{DO} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{(\boldsymbol{l_s} + 1)} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n})}$$

$$\sum_{j_{ik} = \boldsymbol{l_{sa}^{ik}} - k + 1}^{\boldsymbol{l_{ik}} - k - s + 1} \sum_{(j_i = j_{ik} - \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ \ )}$$

$$\sum_{j_{ik}=l_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{l_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+l_i-)}^{(\ \ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \ k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk}^{} \sum_{=n_{ik}+j_{ik}-j_i-}^{(\ )}$$

$$\frac{(n_i \quad s - I)!}{(n_i \quad \cdots (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(\ - j_s + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D \quad j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \quad \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa} \quad 1 \leq j_{ik} \leq \quad + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + \quad - j_{sa}^{ik} \leq j_i \leq \quad \wedge$$

$$\boldsymbol{l_{ik}} \quad - j_{sa}^{ik} + 1 > \quad \wedge \boldsymbol{l_i} + \quad - s = \boldsymbol{l} \quad \wedge$$

$$D \quad < n \wedge I = \Bbbk \quad 0 \wedge$$

$$\quad_{sa}^{ik} < j_{sa}^{l} \quad 1 \wedge j_{sa}^{s} < j_s \quad - 1 \wedge$$

$$\boldsymbol{s}: \{j_s^{s} \quad \cdots, \Bbbk_1, j_{s} \quad {}_2, j_{sa}^{i}\} \wedge$$

$$s \quad > 4 \wedge \boldsymbol{s} \quad s + \Bbbk \wedge$$

$$\quad : z = 2 \quad \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$${}_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=l_i+n+j_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i \quad -1)}{(j_s-2) \quad (n_i-n_{is} \quad +1)!}\cdot$$

$$\frac{(n_i-n_{ik}-\Bbbk \quad 1)!}{(j_{ik}-j_s-1) \quad j_i-n_{is}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik} \quad -\Bbbk_2 \quad)}{(j_i-j_{ik} \quad)!\cdot(n_{ik} \quad _{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s \quad j_i-n-1)!\cdot(n-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j \quad l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)!\cdot(n-j_i)!}+$$

$$\sum_{k=1}^{D-n+1} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_i+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=n+\Bbbk}^{n} \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\quad k - 1)}{(\boldsymbol{l_s} - \quad - k + 1)\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\quad} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!}$$

$$\frac{(D - \boldsymbol{l_i})\quad}{(D + j_i \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{\quad = 1}^{\boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}\quad} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$\sum_{j_{ik}=\ldots}^{\ldots+1} \sum_{(j_{ik}-j_{sa}^{ik}+\ldots)}^{\ldots} \sum_{(\boldsymbol{l_s}+\boldsymbol{n}-D)}$$

$$\sum_{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{j_{ik}=\ldots \ldots_{ik}-\boldsymbol{l_i}}^{\ldots} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{\ldots}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\ \ \ \ s-k+1)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik})}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\ (n_{is}=\ \ \ +1)}^{n\qquad (n_i\quad +1)}$$

$$\sum_{n_{ik}\ \ +\Bbbk_2-j_{ik}}^{n_{is}+j_s-j_{ik}-\ \ \ (n_{ik}+j_{ik}-j_i-\Bbbk\ )}\sum_{(\quad\ \ -j_i+1)}$$

$$\frac{\ \ \ - n_{is} - 1)!}{(\quad - 2)! \cdot (\ \ - n_{is} - j_s + 1)!}$$

$$\frac{(n_{is} - \ \ - \Bbbk_1 - 1)!}{(j_{ik} - \ \ - 1)! \cdot (n\ \ + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}\ - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I) \cdot (\boldsymbol{n} - s)} \cdot$$

$$\frac{(l_s - k -)}{(l_s - j_s \quad 1)! \cdot (-2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i \quad - l_i)! \cdot (\boldsymbol{n} -)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \quad j_{ik} \leq j_i \quad^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - $

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \quad \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = \quad + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \quad + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (l_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s}$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!}$$

$$\frac{(D \quad)!}{(D + j \quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\quad j_i)!} -$$

$$\sum_{k=}^{D + \boldsymbol{l_s} + s - } \sum_{(\quad - j_{sa}^{ik} + 1)}^{(\quad)}$$

$$\sum_{= \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{\boldsymbol{l_s} \quad ik - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$> \boldsymbol{n} < \quad \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$$

$$2 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

810 $\quad\quad\quad D > \boldsymbol{n} < n$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_{ik}=l_s+\boldsymbol{n}-D)}^{(l_{ik}+\boldsymbol{n}-D-)}$$

$$\sum_{j_{ik}=l_s+\boldsymbol{n}-D}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum^{(n_i-j_s+1)}_{(\;-j_s+1)}$$

$$\sum_{n_{ik}=n+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-\;-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(\;\;\;-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-\;_s-1)! \cdot (n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)! \cdot (j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{D-\boldsymbol{n}+1} \sum_{(j_s=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i-1)!}{(j_s-2)!\,(n_i-n_{is}+1)!} \cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk-1)!}{(j_{ik}-j_s-1)!\,(n_{is}+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\Bbbk_2-1)!}{(j_i-j_{ik})!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j_s+l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!} \;-$$

$$\sum_{k=1}^{D+l_s+s-\boldsymbol{n}-l_i} \sum_{(j_s=l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \qquad)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S^{DOSD}_{j_s, j_{ik}, j_i} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{j_i + j_{sa}^{ik} - s} \sum_{(j_i = s + 1)}^{(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \;)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \;)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}} \;)(j_i + j_{sa}^{\;} - s)!} \cdot$$

$$\frac{(\; - \boldsymbol{l_i})!}{\; \boldsymbol{n} - \; \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{\;}^{\;l-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{\;}$$

$$\sum_{\boldsymbol{l_{ik}} \; = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} \; + 1} \sum_{(j_i = \boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 2)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}}\right)! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_i l} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}}^{(\,_i l+1)}$$

$$\sum_{n_s=\boldsymbol{n}+\Bbbk\,(n_s=\boldsymbol{n}+\Bbbk_2)}^{n} \sum^{(n_i - j_{ik} - \Bbbk_1)} \sum^{n_{ik}+j_{ik}-j_i}_{n_i - j_i + 1}$$

$$\frac{(n_i - \quad - \Bbbk_1 - 1)!}{(j_{ik} - \quad)! \cdot (n_i - \quad - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \Bbbk_2 - 1)!}{(j_i - \quad - 1)! \cdot (n \quad + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{\,_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{j_{ik}=j_i + j_{sa}^{ik} - s}^{\left(\boldsymbol{l_{ik}} + s - k - j_{sa}^{ik} + 1\right)} \sum_{(j_i = s + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk\,(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{n} \sum^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ )!}$$

$$\frac{(D-\boldsymbol{l_i})\ }{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\ -j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j\quad\Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\ \Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\quad D-\boldsymbol{n}\quad 1\wedge$$

$$1\leq\quad\leq j_{ik}-j_{sa}^{ik}+\quad\wedge j_s+j_{sa}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j\quad\leq j_i\leq\boldsymbol{n}\ $$

$$\boldsymbol{l_{ik}}-\quad^{ik}+1=\quad_s\quad_i+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$$

$$\boldsymbol{l_i}\leq D+s\quad\boldsymbol{n}\wedge$$

$$>\boldsymbol{n}\quad\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge\boldsymbol{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=s+\ )}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}= \boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(+j_{ik}+\ -\Bbbk_2)}$$

$$\frac{(\ -n_{is}+\ -1)!}{(j_s-2)! \cdot (n_i-\ -j_s+1)!} \cdot$$

$$\frac{(\ -n_{ik}+\ \Bbbk_1-1)!}{(j_{ik}-j_s-1)! \cdot (n_{is}+j_s-\ -n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-\ -\Bbbk_2-1)!}{(j_i-j_{\ }-1)! \cdot (\ +j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(k - 1)!}{(j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{sa}^{ik} - j_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=s)}^{(l_i - \,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{(j_s = j_{ik} - \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{\boldsymbol{l} - 1} \sum^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} - s}^{} \sum_{(j_i = s+1)}^{(\ -k)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\ -j_s+1)}$$

$$\sum_{= n_{is} + j \ \ k - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \ \boldsymbol{l}}^{(\ )} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik}}^{} \sum_{(j_i = s)}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{(\ )} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + s - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}_s \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l}_{ik} - j_{sa}^{ik} + 1 = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$$

$$\boldsymbol{l}_i \leq D + s - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$fz S_{j_s, j_{ik}}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l}_{ik} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l}_i - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - \quad)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k = \,_i\boldsymbol{l}\,(j_s}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}\,(j_i = s)}^{(l_i - \,_i\boldsymbol{l} + 1)}$$

$$\sum_{=\boldsymbol{n}+\Bbbk\,(n_{ik}= \quad \Bbbk_2 - j_{ik}+1)}^{n} \sum \sum_{n_s = \boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{\quad - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\quad j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \; -$$

$$\sum_{k=1}^{\,_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)\cdot(\boldsymbol{n}-s)}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-\ )}{(\boldsymbol{l_s}-j_s-\ 1)!\cdot(\ -2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)}-$$

$$\sum_{k=\ _il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ +\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\ge\boldsymbol{n}<\ \land\ \boldsymbol{l_s}\le D-\ +1\land$$

$$1\le\ +j_{ik}-j_{sa}+1\land j_s+j_{sa}^{ik}-1\le j_{ik}\le j_i+j_{sa}^{ik}-s\land$$

$$j_{ik}+s-j_s\ \le j_i\le\boldsymbol{n}\land$$

$$\ \ 1=\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\land$$

$$\boldsymbol{l_i}\le D+s-\boldsymbol{n}\land$$

$$D\ge\boldsymbol{n}<n\land I=\Bbbk>0\land$$

$$j_{sa}^{ik}<j_{sa}^i-1\land j_{sa}^s<j_{sa}^{ik}-1\land$$

822 $\qquad D > \boldsymbol{n} < n$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik}}^{(\ )}
$$

$$
\sum_{j_{ik}=j_{sa}^s}^{\boldsymbol{l}_s+j_{sa}^{ik}-k} \sum^{(\ -k+1)}_{(\ -j_{ik}-j_{sa}^{ik})}
$$

$$
\sum^{(n_i-j_s+}_{=\boldsymbol{n}+\Bbbk} \sum_{(\ -\boldsymbol{n}+\Bbbk-j_s+1)}
$$

$$
\sum_{=\boldsymbol{n}+\Bbbk_2-j}^{n_{is} \quad -j_{ik}-\Bbbk_1} \sum^{(\ -j_i-\Bbbk_2)}_{(n_s=\boldsymbol{n}-j_i+1)}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \ )! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(\ - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s)!}{(j_{ik} + \boldsymbol{l}_i - j_i - \boldsymbol{l}_{ik})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\ {}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}
$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=s)}^{\left(l_i - \ _i l+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} \ \ \Bbbk_1 + 1)} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk \ - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j \ \ \ - \ \Bbbk_2)!} \cdot$$

$$\frac{(\ \ \ \ - 1)!}{(\ + j_i - \boldsymbol{n} \ 1)! \cdot (\boldsymbol{n} - j_i)} \cdot$$

$$\frac{(\boldsymbol{l}_i + j_{sa} \ \ \ )!}{(\boldsymbol{l}_i + j_{s} \ \ j_i - \boldsymbol{l}_{ik})! \ (j_i - s)!} \cdot$$

$$\frac{(D \ \ \boldsymbol{l}_i)!}{(D + \ \ - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{_i l-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_s+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$D > \boldsymbol{n} < n$$

$$\sum_{k=\,_il}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\ )}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )}\sum_{n_s=n_{ik}+\ -j_i-\Bbbk_2}$$

$$\frac{(n_{\ }\ s-\ )!}{(\ -\boldsymbol{n}-\ \Bbbk)!\,(\ -s)!}\cdot$$

$$\frac{\ -l_i)!}{\ (\ s-\boldsymbol{n}-\ )!\cdot(\boldsymbol{n}-s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{i\ }\ s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik}\ \ s > \boldsymbol{l_{ik}}$$

$$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < \ _{sa} - 1 \wedge j_{sa}^{s} < \ ^{ik} - 1 \wedge$$

$$\boldsymbol{s}: (j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}\ \ , \Bbbk_2, j_{s}\ \ \wedge$$

$$s > \ \ \ \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z: z = 2\ \ \Bbbk = \Bbbk_1 + \Bbbk\ \ \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{\,_il-1}\sum_{(j_s=2)}^{\left(\boldsymbol{l_{ik}}-k-j_{sa}^{ik}+2\right)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}\sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_s - \ldots)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - \ldots - 1)!}{(\ldots - j_s \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_i + j_{sa} \ldots l_{ik} - s)!}{(j_{ik} + l_i - \ldots l_{ik})! \cdot (\ldots + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + \ldots - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _i l}^{(\ )} \sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(l_i - \ _i l + 1)} \sum_{(j_i=s)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(l_{ik}-k-j_{sa}^{ik}+2\right)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s}^{\phantom{j_{ik}}} \sum^{\left(j_{sa}^{ik}\right)}$$

$$\sum^{} \sum^{(n_i-j_s+1)}_{\Bbbk\,(n_{}+\Bbbk-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}}^{} \sum_{}^{\left(n_{ik}+j_{ik}-j_i-\Bbbk_2\right)}{}_{-j_{ik}-\Bbbk_1}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k={}_i\boldsymbol{l}}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=n_i-j_{ik}-\Bbbk_1+1)}^{(\ )} \sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}^{}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$\epsilon_z S_{j_s, j_{ik}}^{DO} = \sum_{k=1}^{{}_i l - 1 (l_s - k + 1)} \sum_{(j_s = 2)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_s}}^{(l_i - k + 1)} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot \left(j_i + j_{sa}^{ik} - j_{ik} - s\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}}^{} \sum_{(j_i=s)}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{} \sum_{n_s=\boldsymbol{n}-j_i+1}^{}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{\cdots - 2)! \cdot (\cdots - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\cdots n_s - \Bbbk_2 - 1)!}{(j_i \cdots _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}}^{} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l_i})\ }{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\ -j_i)!}$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\ }^{n}\sum_{(n_{ik}=n_i-j\ \Bbbk_1+1)}\sum_{n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-s-\Bbbk)!}{(n_i-\boldsymbol{n}-\Bbbk)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\ <D-\boldsymbol{n}\ 1\wedge$$

$$1\leq\ \leq j_{ik}-j_{sa}^{ik}+\ \wedge j_s+j_{sa}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-\ \ \leq j_i\leq\boldsymbol{n}\ $$

$$\boldsymbol{l_{ik}}-\ ^{ik}+1=\ \ +j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$$

$$D+s-\boldsymbol{n}\ \boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$$

$$\ >\boldsymbol{n}\ \wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^i-1\wedge j_{sa}^s<j_{sa}^{ik}-1\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^s,\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^i\right\}\wedge$$

$$s>4\wedge\boldsymbol{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=2\wedge\Bbbk=\Bbbk_1+\Bbbk_2\Rightarrow$$

$$D > \boldsymbol{n} < n$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{j_i+j_{sa}^{ik}-s} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\ \ -k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j\ \ }^{n_{is}+j_s-j_{ik}-\Bbbk_1\ \ +j_{ik}\ \ -\Bbbk_2} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{\ \ }$$

$$\frac{(\ \ -n_{is}\ \ 1)!}{(j_s\ \ 2)!\cdot(n_i\ \ j_s+1)!}\cdot$$

$$\frac{(\ \ -n_{ik}\ \ \Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s\ \ j_{ik}-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}\ \ -\Bbbk_2-1)!}{(j_i-j\ \ -1)!\cdot(\ \ +j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+j_{sa}^{ik}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=1}^{i^{l-1}} \sum_{(j_s=j_{ik}+\boldsymbol{l_s}-\boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+2)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!}$$

$$\frac{(n_{ik} - n_s \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{()}{(n_s j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{} - k)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_i\boldsymbol{l}}^{} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i - _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

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$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s = j_i - \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\;\;)}$$

$$\sum_{=j_i + j_{sa}^{ik} - s}^{(\boldsymbol{l_{ik}} + s + 1)} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}$$

$$\sum_{n_i \dots + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{\dots j_s + 1)}$$

$$\sum_{= n_{is} + j \dots k - \Bbbk_1 (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\;\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \dots \wedge \boldsymbol{l_s} \leq D - \dots + 1 \wedge$

$1 \leq j_{\dots} \leq j_{ik} - \dots + \dots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - \dots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \dots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

$$s > 4 \land \boldsymbol{s} = s + \Bbbk \land$$

$$\Bbbk_z : z = 2 \land \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$
_{fz}S^{DOSD}_{j_s,\,j_{ik},\,j_i} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{j_i + j_{sa}^{ik} - s} \sum_{(\ \ _i + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} + s - k)}
$$

$$
\sum_{n_i \ \ \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk - j_s \ \ )}^{(n_i - \ \ 1)}
$$

$$
\sum_{n_{ik} = \boldsymbol{n} \ \ - j_{ik}+1}^{\ - j_{ik} - \Bbbk_1} \sum_{(\ \ \ i+1)}^{\ + j_{ik} - j_i - \Bbbk_2)}
$$

$$
\frac{(n \ \ - n_{is} - 1)!}{(j_s \ \ 2)! \cdot (n_i \ \ n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n \ \ - \Bbbk_1 - 1)!}{\ - j_s \ \ )! \cdot (\ \ _s + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - \ \ _k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ \ )}
$$

$$
\sum_{j_{ik} = j_{sa}^{ik}+1}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = \boldsymbol{l_s} + s - k + 1)}^{(\boldsymbol{l_i} - k + 1)}
$$

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$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{\;} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{\;} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!}$$

$$\frac{(n_{\;} -)!}{(n_s \; j_i - \boldsymbol{n} \; - j_i)!} \cdot$$

$$\frac{(\; - k - 1)!}{(\; - j_s - \; + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \; - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \; - \;)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \;_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i - \;_i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l}_i + j_{sa}^{ik} - \boldsymbol{l}_{ik} - s\right)!}{\left(\boldsymbol{l}_i + j_{sa}^{ik} - j_i - \boldsymbol{l}_{ik}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D+\boldsymbol{l}_s+s-\boldsymbol{n}-\boldsymbol{l}_i} \sum_{(j_s = j_{ik} + \boldsymbol{l}_s - \boldsymbol{l}_{ik})}^{(\ )}$$

$$\sum_{j_{ik} = j_i + j_s}^{(\ k)} \sum_{(j_i = \boldsymbol{l}_i + \boldsymbol{n} - D)}^{(\ )}$$

$$\sum^{(j_s+1)}_{\boldsymbol{n} + \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}$$

$$\sum_{k = n_{is} + j_s \cdots k - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l}_s - k - 1)!}{(\boldsymbol{l}_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \cdots \wedge \boldsymbol{l}_s \leq D - \cdots + 1 \wedge$

$1 \leq j_s \leq j_{ik} \cdots^{ik} + \cdots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \cdots s \cdots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{ik} - j_{sa}^{ik} + \cdots = \boldsymbol{l}_s \wedge \boldsymbol{l}_i + j_{sa}^{ik} - s > \boldsymbol{l}_{ik} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_i \leq D + \boldsymbol{l}_s + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^i - 1 \wedge j_{sa}^s < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^i \right\} \wedge$

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$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ \ )}
$$

$$
\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s-1} \sum_{(j_i=j_i+\boldsymbol{n}-D)}^{(l_i-k+1)}
$$

$$
\sum_{n_i \ \ \Bbbk\ (n_{is}=\boldsymbol{n}+\Bbbk-j_s)}^{(n_i \ \ -1)} \sum
$$

$$
\sum_{n_{ik}=n \ -j_{ik}+1}^{-j_{ik}-\Bbbk_1} \sum_{(n_s \ \ _i+1)}^{+j_{ik}-j_i-\Bbbk_2}
$$

$$
\frac{(n \ \ n_{is}-1)!}{(j_s \ \ 2)! \cdot (n_i \ n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n_{is}-n \ -\Bbbk_1-1)!}{\ -j_s \ )! \cdot (\ _s+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i \ \ _k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_s-k-1)!}{(\boldsymbol{l}_s-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l}_i+j_{sa}^{ik}-\boldsymbol{l}_{ik}-s)!}{(j_{ik}+\boldsymbol{l}_i-j_i-\boldsymbol{l}_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l}_i)!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l}_i)! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=j_{ik}+\boldsymbol{l}_s-\boldsymbol{l}_{ik})}^{(\ \ )}
$$

$$
\sum_{j_{ik}=\boldsymbol{l}_i+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l}_{ik}-k+1} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{}-j_s+1)}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{}{(n_sj_i-\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{-k-1)!}{(-j_s-+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j)}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j \ \ \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{\boldsymbol{l} + \boldsymbol{n} + j_{sa}^{ik} - D}^{\boldsymbol{l_{ik}} \ + 1} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\ )}$$

$$\sum_{n \ + \Bbbk \ (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{j_s + 1}$$

$$\sum_{=n_{is} + j \ \ k - \Bbbk_1 \ (n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \qquad \wedge \boldsymbol{l_s} \leq D - \qquad + 1 \wedge$$

$$1 \leq j \qquad \leq j_{ik} \qquad ik + \qquad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} \qquad s - \qquad ik \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \qquad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = \sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik} + 1}^{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s - 1} \sum_{(\quad_i + \boldsymbol{n} - D)}^{(\boldsymbol{l_i} - k + 1)}$$

$$\sum_{n_i \quad \mathbb{k}}^{(n_i - \quad 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s \quad)}$$

$$\sum_{\quad - j_{ik} - \mathbb{k}_1}^{\quad + j_{ik} - j_i - \mathbb{k}_2}$$

$$\sum_{n_{ik} = n \quad - j_{ik} + 1}^{} \sum_{(n_s \quad _i + 1)}$$

$$\frac{(n \quad n_{is} - 1)!}{(j_s \quad 2)! \cdot (n_i \quad n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n \quad - \mathbb{k}_1 - 1)!}{- j_s \quad)! \cdot (\quad_s + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i \quad_k - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - j_i - \boldsymbol{l_{ik}})! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i l - 1} \sum_{(j_s = j_{ik} + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}^{(\boldsymbol{l_i} - k + 1)}$$

$\qquad D > \boldsymbol{n} < n$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n \quad - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s \quad - j_{i} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s \quad \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} \quad n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n \quad)!}{(n_s \quad j_i - \boldsymbol{n} \qquad - j_i)!} \cdot$$

$$\frac{(\quad - k - 1)!}{(\quad - j_s - \quad + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + \quad - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \quad - \quad)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k= \ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i} - \ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_i + \boldsymbol{l_s} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{\boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D}^{\boldsymbol{l_s} + j - k} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_{\ldots} + \Bbbk (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\quad j_s + 1)}$$

$$\sum_{= n_{is} + j_{\ldots} + k - \Bbbk_1}^{} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} \ldots \wedge \boldsymbol{l_s} \leq D - \ldots + 1 \wedge$$

$$1 \leq j_{\ldots} \leq j_{ik} - \ldots + \ldots j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - \ldots^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} \ldots = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$$

$$D > \boldsymbol{n} < n$$

$$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$$

$$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_il-1} \sum_{(j_s=2)}^{(l_i+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(l_i+\boldsymbol{n}-D)}^{(l_i-k+1)}$$

$$\sum^{(n_i-+1)}$$

$$\sum_{n_{i}+\Bbbk}^{} (n_{is}=\boldsymbol{n}+\Bbbk-\ )$$

$$\sum_{+j_s-j_{ik}-\Bbbk_1}^{} \sum^{(+j_{ik}-j_i-\Bbbk_2)}$$

$$\sum_{n_{ik}= \ -j_{ik}+1}^{} \sum^{(-j_i+1)}$$

$$\frac{(-n_{is}-1)!}{(j_ - 2)! \cdot (n\ -n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n -\Bbbk_1-1)!}{(-j_s \ )! \cdot (\ +j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i- _k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(l_i+j_{sa}^{ik}-l_{ik}-s)!}{(j_{ik}+l_i-j_i-l_{ik})! \cdot (j_i+j_{sa}^{ik}-j_{ik}-s)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=1}^{{}_il-1} \sum_{(j_s=l_i+\boldsymbol{n}-D-s+1)}^{(l_{ik}-k-j_{sa}^{ik}+2)}$$

$$\sum_{j_{ik}=j_s+l_{ik}-l_s} \sum_{(j_i=j_{ik}+s-j_{sa}^{ik})}^{(l_i-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-j_s-1)!\cdot(n_{is}+j_s-j_{ik}-\Bbbk_1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-\dots)!}{(n_s-j_i-\boldsymbol{n}-\dots-j_i)!}\cdot$$

$$\frac{(\dots-k-1)!}{(\dots-j_s-\dots+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}+\dots-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\dots)!\cdot(j_i+j_{sa}^{ik}-j_{ik}-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i-\ _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum^{(\boldsymbol{l_{ik}} - j_{sa}^{ik} + 2)}_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - s + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}} \sum_{j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_i + \Bbbk \, (n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(j_s + 1)}$$

$$\sum_{= n_{is} + j_{ik} - \Bbbk_1}^{(\ )} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\quad \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j_{\quad} \leq j_{ik} - \quad \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j^{\quad} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{\quad} - j_{sa}^{ik} \quad = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
{}_{fz}S^{DOSD}_{j_s,\, j_{ik},\, j_i} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l}_i+\boldsymbol{n}-D-s)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l}_{ik}-\boldsymbol{l_s}} \sum_{(\;\;)}^{(l_i-k+1)}
$$

$$
\sum_{n_{ik}=\;\; } ^{(n_i-\;\;+1)}
$$

$$
\frac{(\;\;-n_{is}-1)!}{(j_s-2)! \cdot (n_{\;\;}-n_{is}-j_s+1)!} \cdot
$$

$$
\frac{(n_{is}-n_{\;\;}-\Bbbk_1-1)!}{(\;\;-j_s+1)! \cdot (\;\;+j_s-n_{ik}-j_{ik}-\Bbbk_1)!} \cdot
$$

$$
\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\;\;_k-1)! \cdot (n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!} \cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)! \cdot (j_s-2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i}+j^{ik}_{sa}-\boldsymbol{l_{ik}}-s)!}{(j_{ik}+\boldsymbol{l_i}-j_i-\boldsymbol{l_{ik}})! \cdot (j_i+j^{ik}_{sa}-j_{ik}-s)!} \cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +
$$

$$
\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-k+1)}
$$

$$
\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=j_{ik}+s-j^{ik}_{sa})}^{(l_i-k+1)}
$$

$$D > \boldsymbol{n} < n$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{} - j_s + 1)} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} n_s - j_i - \Bbbk_2)} \cdot$$

$$\frac{(n)}{(n_s j_i - \boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(- k - 1)!}{(- j_s - 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l}_i + - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + j_{} k)! \cdot (j_i + j_{sa}^{ik} - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l}_i)!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l}_i)! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=_i\boldsymbol{l}} \sum_{(j_s=1)}^{()}$$

$$\sum_{j_{ik}=j_{sa}^{ik}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(l_i - _i\boldsymbol{l}+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - s + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}}} \sum_{(j_i = j_{ik} + s - j_{sa}^{ik})}$$

$$\sum_{n_{is} = \boldsymbol{n} + \mathbb{k}}^{(j_s + 1)} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}$$

$$\sum_{= n_{is} + j_s - \mathbb{k}_1}^{(\quad)} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} \quad \wedge \boldsymbol{l_s} \leq D - \quad + 1 \wedge$

$1 \leq j_s \leq j_{ik} \quad ^{ik} + \quad j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} \quad s - \quad ^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \quad > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$

$D > \boldsymbol{n} < n$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$
\begin{aligned}
{}_{fz}S^{DOSD}_{j_s,j_{ik},j_i} = &\sum_{k=1}^{{}_i\boldsymbol{l}-1} \; \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)} \\
&\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\ldots} \; \sum_{(j_i=s+1)}^{(\boldsymbol{l_s}+s-\ldots)} \\
&\sum \; \sum^{(n_i-\ldots+1)} \\
&\sum_{n_{\ldots}+\Bbbk \,(n_{is}=\boldsymbol{n}+\Bbbk-\ldots)} \\
&\sum_{\ldots j_s-j_{ik}-\Bbbk_1}^{\ldots k+j_{ik}-j_i-\Bbbk_2} \\
&\sum_{n_{ik}=\ldots-j_{ik}+1}^{(\ldots+1)} \\
&\frac{(\ldots-n_{is}-1)!}{(j_s-2)!\cdot(n_{\ldots}-n_{is}-j_s+1)!}\cdot \\
&\frac{(n_{is}-n_{\ldots}-\Bbbk_1-1)!}{(\ldots-j_s-1)!\cdot(\ldots+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}\cdot \\
&\frac{(n_{ik}-n_s-\Bbbk_2-1)!}{(j_i-\ldots_k-1)!\cdot(n_{ik}+j_{ik}-n_s-j_i-\Bbbk_2)!}\cdot \\
&\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot \\
&\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-2)!}\cdot \\
&\frac{(\boldsymbol{l_{ik}}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(j_s+\boldsymbol{l_{ik}}-j_{ik}-\boldsymbol{l_s})!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot \\
&\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} + \\
&\sum_{k=1}^{{}_i\boldsymbol{l}-1} \; \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)} \\
&\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \; \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}^{(\boldsymbol{l_i}-k+1)}
\end{aligned}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - \ldots)!}{(n_s - j_i - \boldsymbol{n} - \ldots - j_i)!} \cdot$$

$$\frac{(\ldots - k - 1)!}{(\ldots - j_s - \ldots + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \ldots - j_{sa}^{ik} + 1)!}{(\ldots + \boldsymbol{l_{ik}} - \ldots)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=s)}^{(\boldsymbol{l_i}-\,_il+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(l_{ik} - l_s - j_{sa}^{ik} + 1\right)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{=1}^{l-1} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_i - l_i}^{-k} \sum_{(j_i = s+1)}^{(\;)}$$

$$\sum_{n_i = +\mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\;)}$$

$$\sum_{=n_{is} + j - k - \mathbb{k}_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}^{(\;)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \boldsymbol{n} - l_i)! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = \;_i l} \sum_{(j_s = 1)}^{(\;)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{(\;)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \mathbb{k}_1 + 1)}^{(\;)} \sum_{n_s = n_{ik} + j_{ik} - j_i - \mathbb{k}_2}$$

$$\frac{(n_i - s - \mathbb{k})!}{(n_i - \boldsymbol{n} - \mathbb{k})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s,\Bbbk,j_i}^{D} = \sum_{k=1}^{\boldsymbol{i}\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik}-j_{sa}^{ik}+1\right)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l-k+1)}$$

$$\sum_{j_{ik} = l_s + l_{ik} - k + 1}^{k+1} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il}^{(\;)}\sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\,_il+1}\sum_{(j_i=j_{ik}+l_i-\,)}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\,}$$

$$\frac{(n_i-n_{ik}-\,_{m_1}1)!}{(j_{ik}-2)!\cdot(n_i-\,_{ik}-j_{ik}-\,_{m_1}1)!}\cdot$$

$$\frac{(\,-n_s-\Bbbk_2-1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-\,_{i}-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\,-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{_il-1}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\;)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}+1}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\;)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}^{}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\;)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=\ _il}^{(\ )} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{\ }^{(\ )} \sum_{(j_i=s)}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}\ (n_{ik}\ \ \ \ +1)}^{n} \sum_{\ }^{(\ )} \sum_{n_s=\ +j_{ik}-j_i-\mathbb{k}_2}$$

$$\frac{(n_i - \ )!}{(n_i \ \boldsymbol{n} - \mathbb{k})! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\ - \boldsymbol{l_i})!}{(D \ s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + \ \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s \ \ _{ik} - 1 \leq j_{ik} \ \ + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j \ \ < \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ \ } + \ \ \boldsymbol{l_s} \wedge \boldsymbol{l}_{ \ } \ j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \ \wedge$$

$$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \ \wedge$$

$$D \geq \ \ < n \wedge I = \mathbb{k} > \ \wedge$$

$$j_{sa}^{ik} < j_{sa}^i - \ \wedge j_{sa}^s < j^{ \ } - 1 \wedge$$

$$\boldsymbol{s}: \{ \ \ \ \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^i \} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = \ + \mathbb{k} \wedge$$

$$\ \ \ \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{\ _il-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{l_{ik}-k+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\quad)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s\quad-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk)}$$

$$\frac{(n_i\quad-1)}{(j_s-2)\quad(n_i-n_{is}\quad+1)!}\cdot$$

$$\frac{(n_{is}-n_{ik}-\Bbbk\quad1)!}{(j_{ik}-j_s-1\quad+j_s-n_{ik}-j_{ik}-\Bbbk_1)!}$$

$$\frac{(n_{ik}\quad-\Bbbk_2-\quad}{(j_i-j_{ik}-\quad)!\cdot(n_{ik}\quad_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(\quad-1)!}{(n_s\quad j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_s-k-1)!}{(l_s-j_s-k+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(l_{ik}-l_s-j_{sa}^{ik}+1)!}{(j\quad l_{ik}-j_{ik}-l_s)!\cdot(j_{ik}-j_s-j_{sa}^{ik}+1)!}\cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\boldsymbol{n}-l_i)!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\ _il}\sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=j_{sa}^{ik}}^{l_{ik}-\ _il+1} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk_2}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1-1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$D > \boldsymbol{n} < n$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - \right)} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (- j_i)!}$$

$$\sum_{k=1}^{-1} \sum_{(j_s =)}^{(- k + 1)}$$

$$\sum_{j_{ik} + j_{sa}^{ik} - 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{()}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = _i l} \sum_{(j_s = 1)}^{()}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = s)}^{()}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = n_i - j_{ik} - \Bbbk_1 + 1)}^{()} \sum_{n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - s - \Bbbk)!}{(n_i - \boldsymbol{n} - \Bbbk)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=1}^{l-1} \sum_{(j_s = 2)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + \boldsymbol{l_{ik}} - \boldsymbol{l_i}}^{(\boldsymbol{l_i} - k + 1)} \sum_{(j_i = \boldsymbol{l_s} - k + 1)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\ _il}^{(\ )}\sum_{(j_s=1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}}^{\left(l_i-\ _il+1\right)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1)}^{(n_i-j_{ik}-\Bbbk_1+1)}\sum_{n_s-j_i+1}^{n_{ik}+j_{ik}-j_i-\Bbbk}$$

$$\frac{(n_i-n_{ik}-\Bbbk_1+1)!}{(j_{ik}-2)!\cdot(n_i-n_{ik}-j_{ik}-\Bbbk_1+1)!}\cdot$$

$$\frac{(n_{ik}-n_s-\Bbbk_2+1)!}{(j_i-j_{ik}-1)!\cdot(n_{ik}-n_s-j_i-\Bbbk_2)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(l_{ik}-\boldsymbol{l_s}-j_{sa}^{ik}+1)!}{(\boldsymbol{l_{ik}}-j_i-\boldsymbol{l_s}+1)!\cdot\left(j_{ik}-j_{sa}^{ik}\right)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}-$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}}\sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}\sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{iS}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{iS}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$D > \boldsymbol{n} < n$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \right\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{\boldsymbol{l}-1} \sum_{(j_s=2)}^{\left(j_{ik} - j_{sa}^{ik} + 1\right)}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s \qquad)} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s \quad {}_{sa}^{ik} + 1)!}$$

$$\frac{(\qquad)!}{(D + j \qquad \boldsymbol{n} - \boldsymbol{l_i})! \qquad j_i)!} +$$

$$\sum \sum_{(j_s = 2)}^{{}_i{}^{l-1} (\boldsymbol{l_s} - k + 1)}$$

$$\sum_{j_{ik} \qquad + j_{sa}^{ik} - k + 1}^{\boldsymbol{l_i} + j_{sa}^{ik} \quad s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = \ _il} \sum_{(j_s = 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_i} + j_{sa}^{ik} - \ _il - s + 1} \sum_{(j_i - \ +\boldsymbol{l_i} - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_i - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - s - 1)!}{(j_{ik} - 2) \cdot (n_i - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1) \cdot (n_{ik} + j_i - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_{ik} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k = 1}^{D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ )}$$

$$\sum_{j_{ik} = \boldsymbol{l_i} + \boldsymbol{n} + j_{sa}^{ik} - D - s}^{\boldsymbol{l_s} + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - l_{ik})}^{(\ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = n_{ik} + j_{ik} - j_i - \Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n}\quad)}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s} : \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\} \wedge$

$s > 4 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 2 \wedge \Bbbk = \Bbbk_1 + \Bbbk_2 =$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}$$

$$\sum_{j_{ik}=\boldsymbol{l_i}+\boldsymbol{n}+j_{sa}^{ik}-D-s}^{\boldsymbol{l_i}+j_{sa}^{ik}-k-s+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \;)} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}) \cdot (j_{ik} - j_s - 1)!} \cdot$$

$$\frac{(\; - \boldsymbol{l_i})!}{\; - \boldsymbol{n} - \; \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\sum_{k=\;}^{\;_i^{l-1}} \sum_{\; = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1}^{(\; \;)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_i} + \;_i^{ik} - k - s + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\; \;)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} +$$

$$\sum_{k=\,_il}^{(\,\,)} \sum_{(j_s=1)}^{}$$

$$\sum_{j_{ik}=l_i+n\,_{sa}^{ik}-D-s}^{l_i+j_{sa}^{ik}-\,_il-s+1} \sum^{}_{()}{}_{l_{ik})}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk\,()}^{n} \sum_{=\mathbf{n}+\Bbbk_2\,\,\,\,1)}^{(n_i-j_{ik}-\Bbbk\,\,\,\,)} \sum_{=\mathbf{n}-j_i+1}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i -\, - \Bbbk_1 - 1)!}{(j_{ik} -\,\,)! \cdot (n_i -\, - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} -\, - \Bbbk_2 - 1)!}{(j_i -\, - 1)! \cdot (n\,\, + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D+l_s+s-n-l_i} \sum_{(j_s=l_i+n-D-s+1)}^{(l_s-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+l_i-l_{ik})}^{(\,\,)}$$

$$\sum_{n_i=\mathbf{n}+\Bbbk}^{n} \sum_{(n_{is}=\mathbf{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$D > \boldsymbol{n} < n$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \ )!}$$

$$\frac{(D - \boldsymbol{l}\ }{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})!\ (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l}\ \wedge$

$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} - \ $

$\boldsymbol{s}: \{j_{sa}^s, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\ $

$s > 4 \wedge \boldsymbol{s} = s + \ \wedge$

$\Bbbk_z: z\ = 2 \wedge\ = \Bbbk_1 +\ \Rightarrow$

$$_{fz}S_{j_s, j_{ik}, j_i}^{DOSD} = \sum_{k=1}^{_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i -\ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\ -k - 1)!}{(\boldsymbol{l_s} - \ - k + 1)! \cdot (\ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ )! \cdot (j_{ik} - \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ )!}{(D + j_i - \ - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{(\boldsymbol{l_{ik}}+s-k-j_{sa}^{ik}+1)} \sum_{(j_i=\boldsymbol{l_s}+s-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=\boldsymbol{l_i}}^{\left(l_{ik}+s-\ _i\ \ 1\right)} \sum_{(j_i=\boldsymbol{l_{ik}}+s-D-j_{sa}^{ik})}^{}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{(\ \ \ _{ik}-\Bbbk_1+1)} \sum_{=\boldsymbol{n}+\Bbbk_2-\ \ +1)}^{\ -j_i-\Bbbk_2} \sum_{n_s=\boldsymbol{n}-j_i+1}^{}$$

$$\frac{(n_i \ \ n_{ik} - \Bbbk_1 - 1)!}{\ -2)! \cdot (\ \ - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(\ \ \ n_s - \Bbbk_2 - 1)!}{(j_i \ \ _{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=j_{ik}-j_{sa}^{ik}+1)}^{(\ )}$$

$$\sum_{j_{ik}=j_i+\boldsymbol{l_{ik}}-\boldsymbol{l_i}}^{} \sum_{(j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik})}^{(\boldsymbol{l_s}+s-k)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\quad)!}$$

$$\frac{(D-\boldsymbol{l}\quad}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$$

$$1\leq j_s\leq j_{ik}-j_{sa}^{ik}+1\wedge j_s+j_{sa}^{ik}-1\leq j_{ik}\leq j_i+j_{sa}^{ik}-s\wedge$$

$$j_{ik}+s-j_{sa}^{ik}\leq j_i\leq\boldsymbol{n}\wedge$$

$$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l}\quad\wedge$$

$$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1$$

$$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^{ik}<j_{sa}^{i}-1\wedge j_{sa}^{s}<j_{sa}^{ik}-\quad\wedge$$

$$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk_1,j_{sa}^{ik},\cdots,\Bbbk_2,j_{sa}^{i}\right.$$

$$s>4\wedge\boldsymbol{s}=s+\quad\wedge$$

$$\Bbbk_z:z\quad 2\quad\quad=\Bbbk_1+\quad\Rightarrow$$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD}=\sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(j_{ik}-j_{sa}^{ik}+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+j_{sa}^{ik}-k}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1\quad)}{(\boldsymbol{l_s} - \quad - k + 1\quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s\quad} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \quad)! \cdot (j_{ik} - \quad - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \quad_{i\quad}\quad)}{(D + j_i\quad \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=\boldsymbol{l_s}+j_{sa}^{ik}-k+1}^{\boldsymbol{l_{ik}}-k+1} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(l_s - k - 1)!}{(l_s - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(j_s + l_{ik} - j_{ik} - l_s)! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$\sum_{k=}^{(\ \ )} \sum_{(j_s=1)}^{}$$

$$\sum_{\ldots = l_{ik} + n - \ldots}^{l_{ik} \ldots l + 1} \sum_{\ldots = j_{ik} + l_i - l_{ik})}^{(\ \ )}$$

$$\sum_{n_i = n + \ldots}^{n} \sum_{n_{ik} = n + \Bbbk_2 \ldots + 1)}^{(\ldots j_{ik} - \Bbbk_1} \sum_{n_s = n - j_i + 1}^{\ldots - j_i - \Bbbk_2}$$

$$\frac{(n_i \ldots n_{ik} - \Bbbk_1 - 1)!}{\ldots_{ik} - 2)! \cdot (n \ldots - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{\ldots n_s - \Bbbk_2 - 1)!}{(j_i \ldots j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - n - 1)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{ik} - l_s - j_{sa}^{ik} + 1)!}{(l_{ik} - j_{ik} - l_s + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} -$$

$$\sum_{k=1}^{D + l_s + s - n - l_i} \sum_{(j_s = j_{ik} - j_{sa}^{ik} + 1)}^{(\ \ )}$$

$$\sum_{j_{ik} = l_{ik} + n - D}^{l_s + j_{sa}^{ik} - k} \sum_{(j_i = j_{ik} + l_i - l_{ik})}^{(\ \ )}$$

$$\sum_{n_i = n + \Bbbk}^{n} \sum_{(n_{is} = n + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\quad)}$$

$$\frac{(n_i - s - I)!}{(n_i - \boldsymbol{n} - I)! \cdot (\boldsymbol{n} - s)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - \quad)!}$$

$$\frac{(D - \boldsymbol{l})}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \ge \boldsymbol{n} < n \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \le j_{ik} \le j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l} \quad \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - \quad$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i} \quad$

$s > 4 \wedge \boldsymbol{s} = s + \quad \wedge$

$\Bbbk_z: z \quad 2 \wedge \quad = \Bbbk_1 + \quad \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{_il-1}\sum_{(j_s=2)}^{(l_{ik}+\boldsymbol{n}-D-j_{sa}^{ik})}$$

$$\sum_{j_{ik}=\boldsymbol{l_{ik}}+\boldsymbol{n}-D}^{l_{ik}-k+1}\sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \ )!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\ \ -k - 1\ )}{(\boldsymbol{l_s} - \ \ - k + \ )\ \ - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{s} + 1)!}{(j_s + \boldsymbol{l_{ik}} - \ \ )! \cdot (j_{ik} - \ \ - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \ )}{(D + j_i \ \ \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{ =1}^{\boldsymbol{l}-1} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = j_s + j_{sa}^{ik} - 1}^{\boldsymbol{l_{ik}} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\ \ )}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \Bbbk_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s})! \cdot (j_{ik} - j_s - j_{sa}^{ik} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \ )}$$

$$\sum_{k=}^{} \sum_{(j_s=1)}^{(\ )}$$

$$\sum_{=\boldsymbol{l_{ik}}+\boldsymbol{n}-}^{\boldsymbol{l_{ik}}-l+1} \sum_{=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+}^{n} \sum_{=\boldsymbol{n}+\Bbbk_2}^{(j_{ik}-\Bbbk_1} \sum_{n_s=\boldsymbol{n}-j_i+1}^{-j_i-\Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(\ -2)! \cdot (n - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1)!}{(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1)! \cdot (j_{ik} - j_{sa}^{ik})!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} -$$

$$\sum_{k=1}^{D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+j_{sa}^{ik}-1}^{} \sum_{(j_i=j_{ik}+\boldsymbol{l_i}-\boldsymbol{l_{ik}})}^{(\ )}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=n_{ik}+j_{ik}-j_i-\Bbbk_2)}^{(\ )}$$

$$\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot(\boldsymbol{n}-s)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-k-1)!}{(\boldsymbol{l_s}-j_s-k+1)!\cdot(j_s-\ \ )!}$$

$$\frac{(D-\boldsymbol{l}\ \ )}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$

$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l}\ \ \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - \ \ \$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk_1, j_{sa}^{ik}, \cdots, \Bbbk_2, j_{sa}^{i}\right\}$

$s > 4 \wedge \boldsymbol{s} = s + \ \ \wedge$

$\Bbbk_z: z = 2 \wedge \ \ = \Bbbk_1 + \ \ \Rightarrow$

$$_{fz}S_{j_s,j_{ik},j_i}^{DOSD} = \sum_{k=1}^{{}_i\boldsymbol{l}-1} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-k+1)}$$

$$\sum_{j_{ik}=j_s+\boldsymbol{l_{ik}}-\boldsymbol{l_s}} \sum_{(j_i=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-k+1)}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=\boldsymbol{n}+\Bbbk_2-j_{ik}+1}^{n_{is}+j_s-j_{ik}-\Bbbk_1} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_{ik}+j_{ik}-j_i-\Bbbk_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \Bbbk_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \quad)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\quad k - 1 \quad)}{(\boldsymbol{l_s} - \quad - k + \quad - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s)!}{(j_{ik} + \boldsymbol{l_i} - \quad)! \cdot (j_i + \quad k - j_{ik} - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k = {}_i\boldsymbol{l}} \sum_{(j_s = 1)}^{(\quad)}$$

$$\sum_{j_{ik} = j_{sa}^{ik}} \sum_{(j_i = \boldsymbol{l_i} + \boldsymbol{n} - D)}^{\left(\boldsymbol{l_i} - {}_i\boldsymbol{l} + 1\right)}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{ik} = \boldsymbol{n} + \Bbbk_2 - j_{ik} + 1)}^{(n_i - j_{ik} - \Bbbk_1 + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{ik} + j_{ik} - j_i - \Bbbk_2}$$

$$\frac{(n_i - n_{ik} - \Bbbk_1 - 1)!}{(j_{ik} - 2)! \cdot (n_i - n_{ik} - j_{ik} - \Bbbk_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \Bbbk_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \Bbbk_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_i} + j_{sa}^{ik} - \boldsymbol{l_{ik}} - s\right)!}{\left(\boldsymbol{l_i} + j_{sa}^{ik} - j_i - \boldsymbol{l_{ik}}\right)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_{ik} - j_{sa}^{ik} + 1 \wedge j_s + j_{sa}^{ik} - 1 \leq j_{ik} \leq j_i + j_{sa}^{ik} - s \wedge$$

$$j_{ik} + s - j_{sa}^{ik} \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$$

$$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1 \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^{ik} < j_{sa}^{i} - 1 \wedge j_{sa}^{s} < j_{sa}^{ik} - 1 \wedge$$

$$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}_1, j_{sa}^{ik}, \cdots, \mathbb{k}_2, j_{sa}^{i} \right\} \wedge$$

$$s > 4 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 2 \wedge \mathbb{k} = \mathbb{k}_1 + \mathbb{k}_2 \Rightarrow$$

$$C_{j_s, j_{ik}, j_i}^{DOSD} \sum_{j=1}^{l-1} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(l_s - k + 1)}$$

$$\sum_{j_{ik} = \boldsymbol{l_{ik}} + \boldsymbol{n} - D}^{l_{ik} - k + 1} \sum_{(j_i = j_{ik} + \boldsymbol{l_i} - \boldsymbol{l_{ik}})}^{(\quad)}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = \boldsymbol{n} + \mathbb{k}_2 - j_{ik} + 1}^{n_{is} + j_s - j_{ik} - \mathbb{k}_1} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_{ik} + j_{ik} - j_i - \mathbb{k}_2)}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_{ik} - \mathbb{k}_1 - 1)!}{(j_{ik} - j_s - 1)! \cdot (n_{is} + j_s - n_{ik} - j_{ik} - \mathbb{k}_1)!} \cdot$$

$$\frac{(n_{ik} - n_s - \mathbb{k}_2 - 1)!}{(j_i - j_{ik} - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - k - 1)!}{(\boldsymbol{l_s} - j_s - k + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(j_s + \boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s}\right)! \cdot \left(j_{ik} - j_s - j_{sa}^{ik} + 1\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\,_il} \sum_{(j_s=1)}^{(\quad)}$$

$$\sum_{j_{ik}=\,_{ik}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}} - \,_il+1} \quad {}^{(\quad l_{ik})}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\quad=\boldsymbol{n}+\quad+1)}^{(n_i - j_{ik} - \mathbb{k}_1)} \sum_{\quad=\boldsymbol{n}-j_i+1}^{n_{ik}+j_{ik}-j_i}$$

$$\frac{(n_i - \quad - \mathbb{k}_1 - 1)!}{(j_{ik} - \quad)! \cdot (n_i - \quad - j_{ik} - \mathbb{k}_1 + 1)!} \cdot$$

$$\frac{(n_{ik} - \quad - \mathbb{k}_2 - 1)!}{(j_i - \quad - 1)! \cdot (n_{ik} + j_{ik} - n_s - j_i - \mathbb{k}_2)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{\left(\boldsymbol{l_{ik}} - \boldsymbol{l_s} - j_{sa}^{ik} + 1\right)!}{\left(\boldsymbol{l_{ik}} - j_{ik} - \boldsymbol{l_s} + 1\right)! \cdot \left(j_{ik} - j_{sa}^{ik}\right)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz durumlu-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

simetrik olasılık, 2.3.1.1.11.7.2.1/29

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Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

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VDOİHİ'de Olasılık ve İhtimal konularının tanım ve eşitlikleri verilmektedir. Ayrıca VDOİHİ'de olasılık ve ihtimalin uygulama alanlarına da yer verilmektedir. VDOİHİ konu anlatım ciltleri ve soru, problem ve ispat çözümlerinden oluşmaktadır. Bu cilt bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz olasılık dağılımlarında, simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre toplam düzgün olmayan simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu durumunun ilk herhangi bir ve son durumunun bulunabileceği olaylara göre toplam düzgün olmayan simetrik olasılık kitabında, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda, simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre toplam 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 eşitlikten teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde dış kaynak kullanılmamıştır.