VDOİHİ

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Bağımlı Durumlu Simetrinin İlk ve Son Durumunun Bulunabileceği Olaylara Göre Tek Kalan Simetrik Olasılık

Cilt 2.3.3.1.2.1.1.1

İsmail YILMAZ

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Matematik / İstatistik / Olasılık

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VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık Cilt 2.3.3.1.2.1.1.1

İsmail YILMAZ

<u>KÜTÜPHANE BİLGİLERİ</u>

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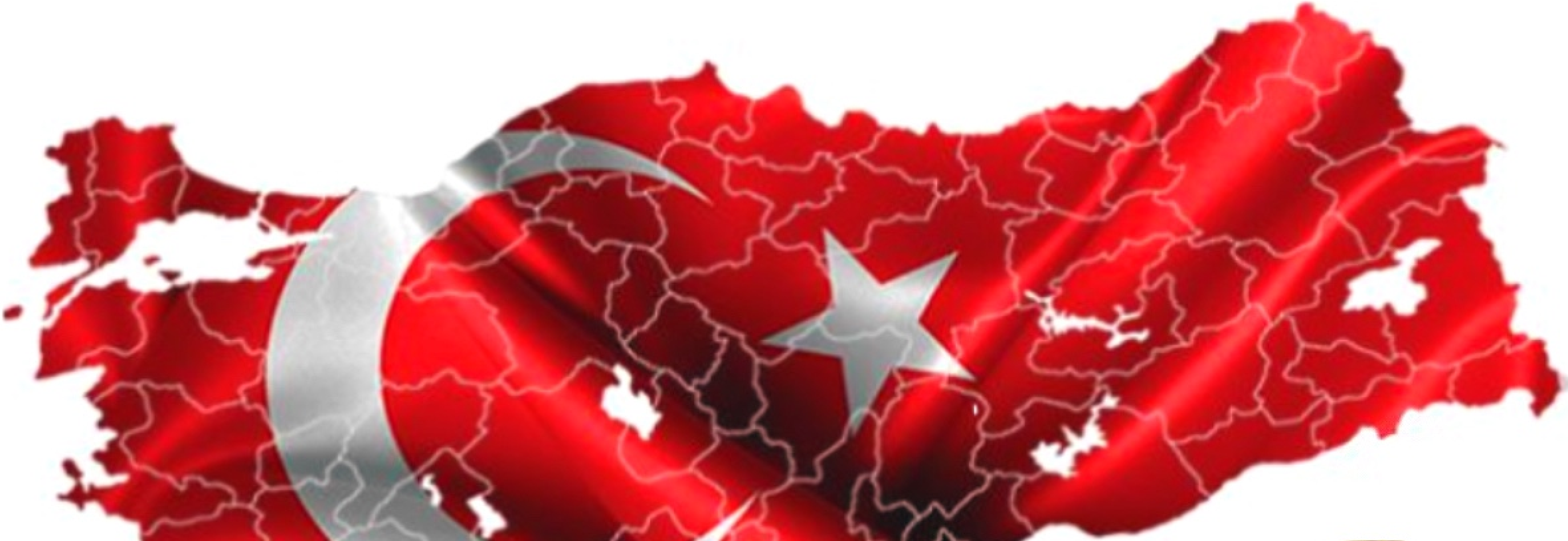
1. Bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

Dili: Türkçe + Matematik Mantık



Türkiye Cumhuriyeti Devleti
Kuruluşunun
100.Yılı Anısına

K. Atatürk

DÜZELTME

Bu cilt için

${}_{fz}S_{j_s\,,j_i}$

simgesi yerine

${}_{fz}S^{DST}_{j_s\,,j_i}$

simgesi olmalı.

d

Yazar Hakkında

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

VDOİHİ

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

VDOİHİ'de Olasılık;

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

Sanırım bilgi ve teknolojideki kaderimiz veriyle ilişkilendirilmiş.

İÇİNDEKİLER

Simge ve Kısaltmalar

n: olay sayısı

$\boldsymbol{n}$: bağımlı olay sayısı

$\mathbb{m}$: bağımsız olay sayısı

$\imath$: bağımsız durum sayısı

I: simetrinin bağımsız durum sayısı

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D: bağımlı durum sayısı

D_i: olayın durum sayısı

s: simetrinin bağımlı durum sayısı

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

m: olasılık

M: olasılık dağılım sayısı

U: uyum eşitliği

u: uyum derecesi

s_i: olasılık dağılımı

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

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

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

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

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

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

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

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$_{fz}S^{DSST}_{j_s,j_{ik},j^{sa},0}$: bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

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

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

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

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

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E2

Bağımlı ve Bir Bağımsız Olasılıklı Farklı Dizilimsiz Dağılımlar

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

BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

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

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

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

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

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

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

SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE TEK KALAN SİMETRİK OLASILIK

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği olaylara bağlı, simetrik durumların bulunduğu dağılımların sayısını verecek eşitlik; simetrinin ilk ve son durumunun bulunabileceği olaylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik olasılık eşitliğiyle, bir bağımlı ve bir bağımsız olasılıklı dağılımın bağımlı durumlu simetrinin iki durumuna göre simetrik olasılık eşitliğinin birleşiminden elde edilebilir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği olaylara göre, tek kalan simetrik olasılıklar için,

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)}\sum_{j_i=\boldsymbol{l_i}+\text{[illegible]}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}
$$

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

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

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

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

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

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

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

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

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

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

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

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

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

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

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

eşitliği elde edilir. Bu eşitliğe bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımlarla aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği olaylara bağlı; simetrik durumların bulunduğu dağılımların sayısına **bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık ${}_{fz}S_{j_s,j_i}$ ile gösterilecektir.

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

$\boldsymbol{s} \cdot \{j_{sa}^{s}, j_{sa}^{i}\} \text{[illegible]}$

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

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

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

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

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

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

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

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

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

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}\text{[illegible]})}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}\text{[illegible]}}^{\boldsymbol{l_i}-\boldsymbol{l}\text{[illegible]}}$$

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

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

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

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

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

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

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

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

$2\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

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

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

$2\leq j_s\leq j_i-s+1\land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$_{fz}S_{j_s,j_i} = \sum_{\text{[illegible]}=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

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

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

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

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

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

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

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

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

10 $D > \boldsymbol{n} < n$

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

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

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

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}$$

$$\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D+j\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})\text{[illegible]}j_i)!}+$$

$$\sum_{k\text{[illegible]}}^{\text{[illegible]}}\ \sum_{(j_s=\boldsymbol{l_i}+\text{[illegible]}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}\text{[illegible]}k+2)}\ \sum_{\text{[illegible]}=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

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

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

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

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

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

$2 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$j\,S\,\text{[illegible]}_{j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > 0 \land \boldsymbol{l_i}+j_{sa}^{i}-s=\boldsymbol{l_{ik}} \land$

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

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

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

$s \geq 2 \land \boldsymbol{s}=2 \Rightarrow$

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

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

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

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

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

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

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

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

$$\sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}}\ \sum_{(j_s=\boldsymbol{l_s}+\text{[illegible]}D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{j_{sa}^{ik}+1}$$

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

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

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

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

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

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

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

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

$2\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(D-\boldsymbol{l_i})!}{(D+[illegible]-\boldsymbol{n}-\boldsymbol{l_i}[illegible]-j_i)!}$$

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+\text{[illegible]}}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

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

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

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\text{[illegible]}_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

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

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

$2 \leq j_s \text{[illegible]} j_i - s + 1 \wedge$

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

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

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

$j_{sa} \text{[illegible]} - 1 \wedge$

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

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

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

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

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

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (\text{[illegible]}\, j_s - \text{[illegible]} - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \text{[illegible]} - 1)! \cdot (\boldsymbol{n} - j\text{[illegible]}} \cdot
$$

$$
\frac{(\text{[illegible]} - \boldsymbol{l}\ \text{[illegible]}1)!}{(\text{[illegible]}\, j_s - \boldsymbol{l} + \text{[illegible]} - 2)!} \cdot
$$

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

$$
\frac{(D - \boldsymbol{l_i})!}{(D\ \text{[illegible]}_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

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

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

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

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

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

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot(\text{[illegible]}_i-j_s-s+1)!}\cdot$$

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

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

$2 \leq j_s \leq j_i - s$ [illegible] $\wedge$

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

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}$ [illegible] $\boldsymbol{l_{sa}} + j$ [illegible] $- j$ [illegible] $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

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

$2 \leq j_s \leq j_i$ [illegible] $s + 1 \wedge$

$j_s +$ [illegible] $1 \leq j_i \leq$ [illegible] $\wedge$

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

$$ \frac{(\text{[illegible]} - n_s - 1)!}{(j_i \text{[illegible]} - 1)! \text{[illegible]}_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s \text{[illegible]} j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

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

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

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

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s \text{ [illegible]}} \cdot$$

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

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

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

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

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

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

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

$s \geq 2 \land \boldsymbol{s} = s \Rightarrow$

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$${}_{fz}S_{j_s\text{[illegible]}} \sum_{k=l\,(j\text{[illegible]}}^{\text{[illegible]}} \sum_{\text{[illegible]}s+1)}^{\text{[illegible]})} \sum_{\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\text{[illegible]}}$$

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

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

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

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

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

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

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

$2 \leq j_s \leq j\text{[illegible]}\, s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{\text{[illegible]}}^{ik}}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

$$\frac{(n_{is} - \text{[illegible]} - 1)!}{(j_i \text{[illegible]} 1)! \cdot (n_{is} \text{[illegible]} - n_s - j_i)!} \cdot$$

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

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

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

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

$2 \leq j_s \leq j_i - s + \text{[illegible]}$

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

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

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

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

$\boldsymbol{s}\colon \text{[illegible]}_{sa}, j_{sa} \text{[illegible]} \wedge$

$s \geq 2 \wedge \boldsymbol{s} \text{[illegible]} s \Rightarrow$

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

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

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

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

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

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

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

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

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

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

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

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

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

$s\geq2\wedge\boldsymbol{s}=s\Rightarrow$

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}^{\text{[illegible]}}\sum_{(j_s=j_i-s+1)}^{(\text{[illegible]})}\sum_{j_i=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$
{}_{fz}S_{j_s,j_i} = \sum_{\boldsymbol{l}=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i-s+1)}^{\text{[illegible]})} \sum_{\boldsymbol{l_i}=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\boldsymbol{l_{ik}}\,\text{[illegible]}+1}
$$

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \text{[illegible]} \wedge$

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

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

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

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

$s \text{[illegible]} 2 \wedge \text{[illegible]} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1} $$

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(\text{[illegible]}\boldsymbol{l_i}+\boldsymbol{n}-s-D+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}-\text{[illegible]})} \sum_{j_i=j_s+s-1}$$

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\text{[illegible]}D+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\text{[illegible]}+s-1}^{\text{[illegible]}} $$

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

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

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

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

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

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

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

$2 \leq j_s \leq \text{[illegible]} - s + 1 \wedge$

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

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

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

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

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

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

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

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

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

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

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot$$

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

D [illegible] $\boldsymbol{n} < n \wedge$ [illegible] $= \mathbb{k} =$ [illegible]

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

$\boldsymbol{s}\colon \{j_{sa}^{s}, j_s$[illegible]$\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} =$ [illegible]

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}-D+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

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

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

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

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

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

$$\frac{(D - \boldsymbol{l}\text{[illegible]})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}\text{[illegible]}(\boldsymbol{n} - j_i)\text{[illegible]}}$$

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

$$
{}_{fz}S_{j_s,j_i} \text{[illegible]} \sum_{\boldsymbol{l}\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_{ik}}+\text{[illegible]}D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}\text{[illegible]}j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\text{[illegible]})!}\Bigg)$$

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

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

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

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

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

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

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

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

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

$D+\boldsymbol{l_s}+s\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i}\text{[illegible]}\leq\boldsymbol{l}\leq D-\boldsymbol{n}\text{[illegible]}\wedge$

$2\leq j_s\leq j_i-s\text{[illegible]}$

$j_s+\text{[illegible]}j_i\leq\boldsymbol{n}\wedge$

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

$D\text{[illegible]}\boldsymbol{l}\text{[illegible]}n\wedge I=\mathbb{k}=0\wedge$

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

$\boldsymbol{s}\text{: [illegible]}\}\wedge$

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

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

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

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

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

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

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

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s})\text{[illegible]}(j_i\text{[illegible]}-s+1)!}\cdot$$

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

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

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}$[illegible]

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

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

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

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

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

$s \geq 2$ [illegible] $\boldsymbol{s} = s -$[illegible]

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}\right.$$

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

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

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

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

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

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i})! \text{[illegible]}_i)!}\Bigg) +$$

$$\Bigg(\sum_{k=\boldsymbol{l}} \sum_{(j\text{[illegible]}\boldsymbol{l_{ik}}+\boldsymbol{n}-\text{[illegible]}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]})} \sum_{\text{[illegible]}\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

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

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

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

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$$

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

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

$$2 \leq \text{[illegible]} D + \boldsymbol{l_s} + s \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i} \wedge$$

$$2 \leq j_s \leq j_i - s \text{[illegible]} 1 \wedge$$

$$j_s + \text{[illegible]} - 1 \leq j_i \leq \boldsymbol{n} \text{[illegible]}$$

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

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

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

$$\text{[illegible]} \leq j_s \leq \text{[illegible]} - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$$

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

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

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

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

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

$$_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-\text{[illegible]}}^{\text{[illegible]}}\right.$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\text{[illegible]}_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

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

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

$2 \leq \boldsymbol{l}\ \text{[illegible]}\ D + \boldsymbol{l_s} + s - \text{[illegible]} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i\ \text{[illegible]}\ s + 1 \wedge$

$j_s + \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

s [illegible] $= s \Rightarrow$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D+\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\text{[illegible]}j_i)!}+$$

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

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_{sa}}+s\,\text{[illegible]}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

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

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

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

$$\frac{(n_s-1)!}{(n\,\text{[illegible]}\,j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

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

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

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

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

$D+\text{[illegible]}+s-\boldsymbol{n}\,\text{[illegible]}\,1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i\,\text{[illegible]}\,s\wedge$

$\text{[illegible]}+s\leq\text{[illegible]}\leq\boldsymbol{n}\wedge$

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

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

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

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

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

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

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

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

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

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

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

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

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

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

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

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

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

$D \geq$ [illegible] $< n \wedge I =$ [illegible] $0 \wedge$

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

[illegible] $\wedge$

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

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s-1} \right.
$$

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

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

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

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

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

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

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

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

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]})!}$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}D+j_i-\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}$ [illegible]

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}$ [illegible] $+ 1 = \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - j_{sa} >$ [illegible] $\boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\mathbb{k} = 0 \wedge$

j_{sa}^{s} [illegible] $j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}$ [illegible]

$s \geq$ [illegible] $\boldsymbol{s} = s \Rightarrow$ [illegible]

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i-s)} \sum_{j_i=\text{[illegible]}+\boldsymbol{n}-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot$$

$$\frac{(\mathbf{l_s}-\mathbf{l}-1)!}{(\mathbf{l_s}-j_s-\mathbf{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\mathbf{l_i}-\mathbf{l_s}-s+1)!}{(j_s+\mathbf{l_i}-j_i-\mathbf{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\right)$$

$D\geq\mathbf{n}<n\wedge\mathbf{l_s}>D-\mathbf{n}+1\wedge$

$D+\mathbf{l_s}+s-\mathbf{n}-\mathbf{l_i}+1\leq\mathbf{l}\leq D-\mathbf{n}+1\wedge$

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\mathbf{n}\wedge$

$\mathbf{l_{ik}}-j_{sa}^{ik}+1=\mathbf{l_s}\wedge\mathbf{l_{sa}}+j_{sa}^{ik}-j_{sa}>\mathbf{l_{ik}}\wedge\mathbf{l_s}+j_{sa}-s=\mathbf{l_{sa}}\wedge$

$D\geq\mathbf{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}^s\leq j_{sa}^i-1\wedge$

$\mathbf{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$

$s\geq$ [illegible] $\wedge\,\mathbf{s}=s\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\mathbf{l}}\ \sum_{\left(j_s=\mathbf{l_{ik}}+\mathbf{n}-D-j_{sa}^{ik}+1\right)}^{\mathbf{l_{ik}}-\mathbf{l}-j_{sa}^{ik}+2}\ \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+s-D-j_{sa}}^{\mathbf{l_{sa}}+s-\mathbf{l}-j_{sa}+1}$$

$$\sum_{n_i=\mathbf{n}}^{n}\ \sum_{(n_{is}=\mathbf{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\mathbf{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big)\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa}^{i}\}\wedge$

$s\geq2\wedge\boldsymbol{s}=s\Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}\,j_s-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\,\text{[illegible]}1)!}{(\boldsymbol{l_s}\text{[illegible]}\,j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}\,s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\,\text{[illegible]}\,j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n}\,\text{[illegible]}1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n}\,\text{[illegible]} + 1 \leq \boldsymbol{l} \leq D\,\text{[illegible]}\boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i\,\text{[illegible]}\,s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}\,\text{[illegible]}$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s}\text{[illegible]} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < \text{[illegible]}\,\boldsymbol{l_s} > D\,\text{[illegible]} + 1 \wedge$

$D + \text{[illegible]}\,s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i\,\text{[illegible]}\,s \wedge$

$\text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k\text{[illegible]}}^{(\boldsymbol{l_s}-\text{[illegible]})} \sum_{\text{[illegible]}+\boldsymbol{n}-D)}^{\text{[illegible]}} \sum_{j_i\text{[illegible]}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\text{[illegible]}1}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{\text{[illegible]}} \sum_{(n\text{[illegible]}\boldsymbol{n}-j_s+1)}^{(n\text{[illegible]}1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - \text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \geq \boldsymbol{n} < n$ [illegible] $\boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

2 [illegible] $D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \text{[illegible]}} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_s\text{[illegible]}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i\text{[illegible]}+s}^{\boldsymbol{l_{sa}}+\text{[illegible]}-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\text{[illegible]}+1)}^{(n_i-j_s+1\text{[illegible]}} \sum_{n_s=\boldsymbol{n}-j_i+\text{[illegible]}}^{\text{[illegible]}-j_i}$$

$$\frac{\text{[illegible]}n_{is}\text{[illegible]})!}{(j_s - \text{[illegible]})! \cdot (n_i - \text{[illegible]}s + 1)!} \cdot$$

$$\frac{(n_{is}\text{[illegible]} - 1)!}{(j_i - j_s \text{[illegible]}1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(\text{[illegible]} j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$((D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l_s} > D \text{[illegible]} \boldsymbol{n} + 1 \wedge$

$2 \leq \text{[illegible]} D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i \text{[illegible]} s + 1 \wedge$

$\text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l}$ [illegible] $) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

[illegible]

$$S_{j_s, j_i} = \left(\sum_{[illegible]} \sum_{[illegible] j_s = \boldsymbol{l_{sa}} + \boldsymbol{n} - D - j_{sa} + 1)}^{[illegible] \boldsymbol{l_s} - \boldsymbol{l} - 1)} \sum_{j_i = j_s + s - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\ \text{[illegible]}\ j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{[illegible]}S_{j_s,j_i} = \sum_{k=[illegible]}^{[illegible]} \sum_{[illegible]=j_i-s+1)}^{[illegible]} \sum_{j_i=s+1}^{[illegible]-\boldsymbol{l}+1}$$

$$\sum_{[illegible]\boldsymbol{n}}^{[illegible]} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

[illegible] $n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \land$

$s \geq 2 \land \boldsymbol{s} = s \Rightarrow$

$$[illegible] = \sum [illegible] \sum_{(j_s=[illegible]}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s[illegible]}$$

$$\sum_{[illegible]\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}[illegible]j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}+1)!}{(j_s+\boldsymbol{l_i}-j_i-\text{[illegible]})!\cdot(j_i-\text{[illegible]}+1)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l_i})!}{\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l}\neq\ {}_{\boldsymbol{i}}\boldsymbol{l}\land\boldsymbol{l_i}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}$ [illegible]

$D\geq\boldsymbol{n}<n\land I=\Bbbk=0\land$

$j_{sa}^{s}\leq j_{sa}^{i}-1\land$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa}^{i}\}\land$

$s\geq2\land\boldsymbol{s}=s$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

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$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

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$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

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$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

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$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s)}\sum_{j_i=s+2}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-s-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

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$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \land \boldsymbol{l_i}$ [illegible] $D + s - \boldsymbol{n}$ [illegible]

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n})$

$(D \geq \boldsymbol{n} <$ [illegible] $\boldsymbol{l} \neq \ {}_{i}\boldsymbol{l}$ [illegible] $\leq D - \boldsymbol{n} + 1$ [illegible]

$1 \leq j_s \leq j_i - s +$ [illegible] $\land$

$j_s + s$ [illegible] $1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 >$ [illegible] $\land$

$\boldsymbol{l_i}$ [illegible] $s - \boldsymbol{n})\big) \land$

$D \geq \boldsymbol{n} < n$ [illegible] $I = \mathbb{k} = 0 \land$

j_{sa} [illegible] $j_{sa} - 1 \land$

$\boldsymbol{s}\colon \{j_{sa}^{s}, j_{sa}^{i}\} \land$

$s \geq 2 \land \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot
$$

$$
\frac{(n_{is}-n_s-1)\text{[illegible]}}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot
$$

$$
\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot
$$

$$
\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot
$$

$$
\left. \frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D\text{[illegible]}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=s+2}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n\text{[illegible]} - j_s + 1)\text{[illegible]}} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (\text{[illegible]} - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \text{[illegible]} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]}} \cdot$$

$$\frac{\text{[illegible]} - \boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l}\text{[illegible]} j_s - \boldsymbol{l} + \text{[illegible]}s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s}\text{[illegible]} s + 1)!}{(j_s + \boldsymbol{l_i} - \text{[illegible]} - \boldsymbol{l_s})! \cdot \text{[illegible]} - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D\text{[illegible]} j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \ {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \text{[illegible]} \land$

$j_s + s - 1 \text{[illegible]} \leq \boldsymbol{n} \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \text{[illegible]} \boldsymbol{l_i} + j_{sa}^{\text{[illegible]}} \text{[illegible]} s = \text{[illegible]} \land$

$D \geq \text{[illegible]} n \land I = \mathbb{k} = \text{[illegible]} \land$

$j_{sa}^{s} \leq j_{sa}^{i} - \text{[illegible]} \land$

$\boldsymbol{s}: \{\text{[illegible]}\} \land$

$s \geq 2 \land \boldsymbol{s} = \text{[illegible]} \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\text{[illegible]}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa}^{i}\}\wedge$

$s\geq 2\wedge\boldsymbol{s}=s\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\ \text{[illegible]})!}{(\boldsymbol{l_s}-j_s\ \text{[illegible]}\ \boldsymbol{l}+1)!\cdot(j_s\ \text{[illegible]}\ 2)!}\cdot$$

$$\frac{(\boldsymbol{l}\ \text{[illegible]}-\boldsymbol{l_s}-s\ \text{[illegible]}\ 1)!}{(j_s+\boldsymbol{l_i}\ \text{[illegible]}-\boldsymbol{l_s})!\cdot(j_i\ \text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \text{[illegible]} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \text{[illegible]} \wedge$

$\boldsymbol{l_i} \leq D + s\ \text{[illegible]}\ \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}\ \text{[illegible]}\ \boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \text{[illegible]} + 1 \wedge$

$1 \leq j_s\ \text{[illegible]}\ j_i - s + 1 \wedge$

$j_s + s - 1\ \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + \text{[illegible]} - \boldsymbol{n}) \vee$

$(D\ \text{[illegible]} < n \wedge \boldsymbol{l} \neq \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$fz\text{[illegible]} = \left(\sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{\text{[illegible]}=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]})!}$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\boldsymbol{l}\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}D+j_i\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l}\text{[illegible]}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s\text{[illegible]}\boldsymbol{l_{ik}}\wedge$

$D+s\text{[illegible]}\boldsymbol{n}\text{[illegible]}\boldsymbol{l_i}\leq D\text{[illegible]}\boldsymbol{l_s}+s-\boldsymbol{n}-1$

$D\geq\boldsymbol{n}<n\wedge l\text{[illegible]}k=0\wedge$

$j_{sa}^{s}\leq\text{[illegible]}-1\wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},j_{sa}^{i}\text{[illegible]}$

$s\geq\text{[illegible]}s=s\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s+1)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}\,[illegible]}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}\,[illegible]\,-j_{sa}^{ik}+2)} \sum_{[illegible]=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{[illegible]}$$

$$\sum_{[illegible]\boldsymbol{n}}^{[illegible]} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$ [illegible]

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D - \boldsymbol{n} + 1$ [illegible]

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le$ [illegible] $\wedge$

$\boldsymbol{l}$ [illegible] $- s + 1 >$ [illegible] $\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le$ [illegible] $+ \boldsymbol{l_s} +$ [illegible] $1)\big) \wedge$

$D \ge \boldsymbol{n}$ [illegible] $n \wedge I = \mathbb{k} =$ [illegible] $\wedge$

$j_{sa}^{s} \le j_{sa}^{i} -$ [illegible]

$\boldsymbol{s}:$ [illegible] a, j_s [illegible] $) \wedge$

$s \ge 2 \wedge \boldsymbol{s} =$ [illegible] $\Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \text{[illegible]} (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]}_i - \boldsymbol{n} - \text{[illegible]}! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l} \text{[illegible]}}^{\text{[illegible]}} \sum_{\text{[illegible]}=2)}^{(\boldsymbol{l_s} \text{[illegible]}} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\text{[illegible]}\boldsymbol{l}+1}$$

$$\sum_{\text{[illegible]}}^{\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i\text{[illegible]}-D}^{\text{[illegible]}-\boldsymbol{l}+1}$$

$$\sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}\text{[illegible]}}^{(n_i\text{[illegible]}+1)} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{\text{[illegible]} - n_{is} - 1)!}{(\text{[illegible]} - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + 1)!} \cdot$$

$$\frac{\text{[illegible]}_{is} - n_s - 1)!}{(j_i - j_s - \text{[illegible]}! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - \text{[illegible]} - s + 1)!}$$

$$\frac{\text{[illegible]} - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \text{[illegible]} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l}$ [illegible] $D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq$ [illegible] $\wedge$

$\boldsymbol{l}$ [illegible] $- j_{sa}^{ik} + 1$ [illegible] $\boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $- s = \boldsymbol{l_{ik}} \wedge$

$D +$ [illegible] $j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}}$ [illegible] $D + \boldsymbol{l_s}$ [illegible] $\boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n}$ [illegible] $n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l}$ [illegible] $\leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i -$ [illegible] $+ 1 \wedge$

j_s [illegible] $\leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ [illegible] $> \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\text{[illegible]}-D}^{\text{[illegible]}-\boldsymbol{l}+1}$$

$$\sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}=\text{[illegible]})}^{(n_i\text{[illegible]}+1)} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j\text{[illegible]}}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(\text{[illegible]}-2)! \cdot (\text{[illegible]}-n_{is}-j_s+1)!} \cdot$$

$$\frac{\text{[illegible]}_{is}-n_s-1)!}{(j_i-j_s-\text{[illegible]}! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})! \cdot (j_i-j_s-s+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \land$

$s \geq 2 \land \boldsymbol{s} =$ [illegible] $\Rightarrow$

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\text{[illegible]})!}+$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{(j_s=2)}^{\boldsymbol{l_{ik}}+\text{[illegible]}-\boldsymbol{l}-j_{sa}^{ik}+1}\ \sum_{j_i=\boldsymbol{l_s}\text{[illegible]}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\text{[illegible]}+1)}^{(n_i-j_s+1)\text{[illegible]}}\ \sum_{n_s=\boldsymbol{n}-j_i+\text{[illegible]}}^{\text{[illegible]}-j_i}$$

$$\frac{\text{[illegible]}n_{is}\text{[illegible]})!}{(j_s-\text{[illegible]})!\cdot(n_i-\text{[illegible]}_s+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}-1)!}{(j_i-j_s\text{[illegible]}1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\text{[illegible]}j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < \text{[illegible]}\boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \text{[illegible]} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq \text{[illegible]} j_i - s \text{[illegible]}$

$j_s + s - 1 \text{[illegible]} j_i \leq \boldsymbol{n} \wedge$

$\text{[illegible]} - j^{ik} \text{[illegible]} 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-\text{[illegible]}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}} $$

$$ \frac{(n_i \text{[illegible]} -1)\text{[illegible]}}{(j_s-2\text{[illegible]}(n_i-n_{is}\text{[illegible]}+1)!} \cdot $$

$$ \frac{(n_{is}-\text{[illegible]}-1)!}{(j_i\text{[illegible]})! \cdot (n_{is}+\text{[illegible]}-n_s-j_i)!} \cdot $$

$$ \frac{(n_s\text{[illegible]}}{(n_s+\text{[illegible]}\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s}\text{[illegible]}\boldsymbol{l}-1)!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot $$

$$ \frac{(\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}j_i-\boldsymbol{l_s})! \cdot (j_i-j_s-s+1)!} \cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot $$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \land$

$s \geq 2 \land \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1\text{[illegible]}}^{(n_i-j_s+1)}\ \sum_{\text{[illegible]}s=\boldsymbol{n}-j_i+1\text{[illegible]}}^{n_{is}+j_s\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]}}{(j_s-2)!\cdot(\text{[illegible]}n_{is}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}+j_s-n_s-j\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{\text{[illegible]}-j_s-\text{[illegible]}1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_i}-\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l} \neq \text{[illegible]} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+\text{[illegible]} \wedge$

$1\text{[illegible]}\ j_s \leq j_i-\text{[illegible]}+1 \wedge$

$j_s+\text{[illegible]}-1 \leq j_i \leq \text{[illegible]}$

$\text{[illegible]}_{k}-j_{sa}^{i\text{[illegible]}}\text{[illegible]}1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\text{[illegible]}\ j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \text{[illegible]} D\text{[illegible]}_{\boldsymbol{s}}+s-\boldsymbol{n}-1 \wedge$

$D\text{[illegible]}\boldsymbol{n} < \text{[illegible]} \wedge I=\mathbb{k}=0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i}\text{[illegible]} \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s}=s \Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=[illegible]}^{[illegible]}\ \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{[illegible]\boldsymbol{l}_{sa}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} \text{[illegible]} \sum_{k\text{[illegible]}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{\text{[illegible]}\,\boldsymbol{l_{sa}}+\text{[illegible]}\,s-D-j_{sa}}^{\text{[illegible]}\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}\text{[illegible]}j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j\text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i} $$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)\text{[illegible]}(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s}\text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]} + j_i - \boldsymbol{n}\,\text{[illegible]})! \cdot (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j^{ik}$ [illegible] $j_{sa} >$ [illegible] $\wedge \boldsymbol{l_i} +$ [illegible] $- s =$ [illegible] $\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} +$ [illegible] $- \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}$ [illegible] ${}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D -$ [illegible] $+ 1 \wedge$

$1 \leq j_s \leq j_i$ [illegible] $s + 1$ [illegible]

$j_s + s - 1 \leq j_i$ [illegible] $\boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 > \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s -$ [illegible] $\boldsymbol{l_i} \leq D +$ [illegible] $+ s - \boldsymbol{n} - 1 \vee)$

$(D$ [illegible] $< n \wedge \boldsymbol{l}$ [illegible] ${}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i$ [illegible] $s + 1 \wedge$

[illegible] $\leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{\boldsymbol{i}}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},j_{sa}^{i}\}\wedge$

$s\geq 2\wedge\boldsymbol{s}=s\Rightarrow$

$${}_{fz}S_{j_s,j}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1\text{[illegible]}}^{(n_i-j_s+1)}\sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-1\text{[illegible]}}{(j_s-2)!\cdot(n_i\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_s-1)!}{(j_i-\text{[illegible]}-1)!\cdot(n_i\text{[illegible]}+j_s-n_s-\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-1\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-1\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\text{[illegible]}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D\text{[illegible]}<n\wedge\boldsymbol{l}\neq\text{[illegible]}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}\text{[illegible]}$

$1\leq j_s\leq j_i-s\text{[illegible]}1\wedge$

$j_s+\text{[illegible]}1\leq j_i\leq\boldsymbol{n}\text{[illegible]}$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}\text{[illegible]}j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+\text{[illegible]}\boldsymbol{n}<\boldsymbol{l_i}\text{[illegible]}+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<\text{[illegible]}\boldsymbol{l}\neq{}_i\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$\text{[illegible]}-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l}\text{[illegible]}\boldsymbol{n}-D\text{[illegible]})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+\text{[illegible]}\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\text{[illegible]}}^{\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\boldsymbol{l}\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s})\text{[illegible]}(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}$[illegible]

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 = \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$ [illegible]

$D + s - \boldsymbol{n} < \boldsymbol{l_i}$ [illegible] $D + \boldsymbol{l_s}$ [illegible] $s - \boldsymbol{n} -$ [illegible] $\wedge$

$D \geq$ [illegible] $< n \wedge I = \mathbb{k}$ [illegible] $0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i}$ [illegible] $1 \wedge$

$\boldsymbol{s}: \{j_{s}^{s}$ [illegible] $j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s}$ [illegible] $s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\text{[illegible]})!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s\text{[illegible]})}^{(j_s\text{[illegible]})} \sum_{j_i=\text{[illegible]}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+\text{[illegible]}} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(\text{[illegible]} 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{i} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}} - \boldsymbol{l} - j_{sa}^{ik} + 2)} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_i} - \boldsymbol{l} + 1}$$

$$\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk = 0 \land$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \land$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \land$

$s \geq 2 \land \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} -$ [illegible] $) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D$ [illegible] $1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq$ [illegible] $\leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}$ [illegible] $- j_{sa}^{ik} + 1$ [illegible] $\wedge \boldsymbol{l_i} +$ [illegible] $- s > \boldsymbol{l}$ [illegible] $\wedge$

D [illegible] $- \boldsymbol{n} < \boldsymbol{l_i} \leq D$ [illegible] $\boldsymbol{l_s} + s$ [illegible] $- 1) \vee$

$(D \geq \boldsymbol{n}$ [illegible] $\wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge$ [illegible] $\leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l}$ [illegible] $+ s -$ [illegible] $1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq$ [illegible] $s \wedge$

[illegible] $+ s \leq$ [illegible] $\leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}} $$

$$ \frac{(n_i \text{[illegible]} n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} \text{[illegible]} + 1)!} \cdot $$

$$ \frac{(n_{is} - \text{[illegible]} - 1)!}{(j_i \text{[illegible]} 1)! \cdot (n_{is} \text{[illegible]} - n_s - j_i)!} \cdot $$

$$ \frac{(n_s \text{[illegible]}}{(n_s + \text{[illegible]} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} \text{[illegible]} \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} \text{[illegible]} j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l} \text{[illegible]} \boldsymbol{l_s} - s + 1)!}{(j_s + \text{[illegible]} - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$D \geq \boldsymbol{n} < n \text{[illegible]} \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \text{[illegible]} \leq D - \boldsymbol{n} + 1 \text{[illegible]}$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} \text{[illegible]} - \boldsymbol{n} - \text{[illegible]}$

$1 \leq j_s \text{[illegible]} j_i - s + 1 \wedge$

$j_s + s - 1 \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} \text{[illegible]} \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$\text{[illegible]} \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right)+$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \land \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \land$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l_{ik}} \land$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\Big) \lor$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s} \colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{j_i = j_s + s - 1} \right.
$$

$$
\sum_{n_i = \boldsymbol{n}}^{n} \sum_{(n_{is} = \boldsymbol{n} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]}}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}\text{[illegible]})}^{(n_i-j_s+1)}\sum_{n_s=\text{[illegible]}-j_i+1}^{\text{[illegible]}_{is}+j_s-j_i}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(\text{[illegible]}-2)!\cdot(\text{[illegible]}-n_{is}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}\text{[illegible]}-1\text{[illegible]}}{\text{[illegible]}-j_s-\text{[illegible]}\cdot(n_{is}+j_s\text{[illegible]}s-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{(\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{\text{[illegible]}_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \text{[illegible]}}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{\text{[illegible]},j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)+$$

$$\Bigg(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1\text{[illegible]}}^{(n_i-j_s+1)}\sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-1\text{[illegible]}}{(j_s-2)!\cdot(n_i\text{[illegible]}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}_s-1)!}{(j_i-\text{[illegible]}-1)!\cdot(n_{i}\text{[illegible]}j_s-n_s-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-1\text{[illegible]}}{(n_s\text{[illegible]}-\boldsymbol{n}-1\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\text{[illegible]}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{j}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s}=s \Rightarrow$

$$_{fz}S_{j_s,j\text{[illegible]}} = \left(\sum_{k=\boldsymbol{l}}\ \sum_{(j\text{[illegible]}\boldsymbol{k}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\ \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k[illegible]} \sum_{[illegible]-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l}[illegible]\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{\text{[illegible]}} \sum_{(j_s=j_i-s\text{[illegible]}}^{(\text{[illegible]})} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+\text{[illegible]}j_{sa}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\text{[illegible]}=\boldsymbol{l}\text{[illegible]}}^{(\boldsymbol{l_{sa}}\text{[illegible]}j_{sa}+2)}\ \sum_{\text{[illegible]}=2)}^{\text{[illegible]}}\ \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} \text{[illegible]} \sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s\text{[illegible]})}^{\text{[illegible]}_{a}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\text{[illegible]}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_i}\text{[illegible]})}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}\text{[illegible]}+2)} \sum_{\text{[illegible]}s+1\text{[illegible]}=j_s+s-1} \right.$$

$$\sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}\text{[illegible]}j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j\text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{[illegible]=\boldsymbol{l}}^{(\boldsymbol{l_{sa}}[illegible]j_{sa}+2)}\sum_{(j_s[illegible]D-[illegible])}\sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+[illegible]}$$

$$\sum_{[illegible]=\boldsymbol{n}}^{\boldsymbol{n}}\sum_{(n_{is}=\boldsymbol{n}[illegible]s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

D [illegible] $n\wedge\boldsymbol{l}\neq\ _i\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-\text{[illegible]}1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s\text{[illegible]}j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}\text{[illegible]}j_{sa}^{ik}+1} \right.$$

$$\sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}\text{[illegible]})}^{(n_i-\text{[illegible]}1)} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(\text{[illegible]}2)! \cdot (\text{[illegible]}-n_{is}-j_s+1)!} \cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{(\text{[illegible]}-j_s-\text{[illegible]}! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+\text{[illegible]}}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+\text{[illegible]}}\ \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}\text{[illegible]}}^{\text{[illegible]}\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\text{[illegible]}}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s\text{[illegible]}}\ \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$D+\boldsymbol{l_s}+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l}-1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+\text{[illegible]}s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(\text{[illegible]}\boldsymbol{n}-j_s+1)}^{(n\text{[illegible]}j_s+1)} \sum_{n_s=\boldsymbol{n}\text{[illegible]}+1}^{n\text{[illegible]}+j_s-j_i} $$

$$ \frac{(n_i - \text{[illegible]} - 1)!}{(\text{[illegible]} - 2)\text{[illegible]}(n\text{[illegible]} - j_s + 1)!} \cdot $$

$$ \frac{(\text{[illegible]} - n_s - 1)!}{(j_i \text{[illegible]} - 1)! \text{[illegible]}_s + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s \text{[illegible]} j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$\Big((D \geq \text{[illegible]} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\text{[illegible]} \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \text{[illegible]} + s - \text{[illegible]} - \boldsymbol{l_i} \wedge$

$1 \text{[illegible]} j_s \leq \text{[illegible]} - s + 1 \wedge$

$j_s + s - 1 \text{[illegible]} j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]} j_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \text{[illegible]} + j_{sa} - s = \text{[illegible]} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + \text{[illegible]} - \boldsymbol{n} - 1)$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \wedge$$

$$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} + 1 \leq \boldsymbol{l} \leq {}_i\text{[illegible]} 1 \wedge$$

$$1 \leq j_s \leq j_i \text{[illegible]} \wedge$$

$$j_s + s \leq j_i \leq \boldsymbol{n} \text{[illegible]}$$

$$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 > \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + s - \boldsymbol{n} \text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1)\Big) \wedge$$

$$D \text{[illegible]} n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^{s} \leq j_{sa}^{i} - \text{[illegible]} \wedge$$

$$\boldsymbol{s}\text{: [illegible]}\} \wedge$$

$$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]})!}$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}$ [illegible]

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}$ [illegible] $+ 1 = \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - j_{sa} >$ [illegible] $\boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i}$ [illegible] $D + \boldsymbol{l_s}$ [illegible] $s - \boldsymbol{n} -$ [illegible] $\wedge$

$D \geq$ [illegible] $< n \wedge I = \mathbb{k}$ [illegible] $0 \wedge$

$j_{sa} \leq j_{sa}^{i}$ [illegible] $1 \wedge$

$\boldsymbol{s}\!:\!\left\{j^{s}\right.$ [illegible] $\left.{}^{i}_{a}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s}$ [illegible] $\Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\text{[illegible]}_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}\text{[illegible]})}\ \sum_{j_i=\boldsymbol{l_{sa}}+\text{[illegible]}s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - j_s \text{[illegible]} + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]}\, j_i - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} - j_i)!}\Bigg)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{s}$ [illegible] $- j_{sa} > \boldsymbol{l_{ik}} \wedge$ [illegible] $+ j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} <$ [illegible] $\boldsymbol{l} \neq {}_{i}$ [illegible] $\boldsymbol{l_s} \leq D - \boldsymbol{n} +$ [illegible]

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s}$ [illegible] $- \boldsymbol{n} -$ [illegible] $\wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

[illegible] $n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}} \text{[illegible]} D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=\text{[illegible]}-1}^{\text{[illegible]}} \right.$$

$$\sum_{\text{[illegible]}\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}\text{[illegible]})}^{(n_i-\text{[illegible]}1)} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_{\text{[illegible]}}2)! \cdot (\text{[illegible]}-n_{is}-j_s+1)!} \cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{(j_i-j_s-\text{[illegible]}! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-[illegible]+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)}\ \sum_{j_i=j_s+[illegible]}^{\boldsymbol{l_{sa}}+s-[illegible]j_{sa}+1}$$

$$\sum_{n_i=[illegible]}^{\boldsymbol{n}}\ \sum_{(n_{is}=\boldsymbol{n}-j_s+[illegible])}^{(n_i-j_s[illegible])}\ \sum_{[illegible]-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{([illegible]-j_s-[illegible])!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq{}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq\boldsymbol{n}-s+1\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}>D+\boldsymbol{l_{ik}}+s-\boldsymbol{n}-j_{sa}^{ik}\big)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq{}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - s \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_{is}=\boldsymbol{n}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{\text{[illegible]}\,{}_{i}\boldsymbol{l}} \sum_{(j_s=1)} \sum_{j_i=s\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n\text{[illegible]}} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(\text{[illegible]}-j_i+1)}$$

$$\frac{(n_i - \text{[illegible]}_s - 1)!}{(j_i - \text{[illegible]})! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big(\text{[illegible]} \geq \boldsymbol{n} < \text{[illegible]} \boldsymbol{l} = {}_{i}\boldsymbol{l} \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq \text{[illegible]} \leq j_i - s + \text{[illegible]}$

$\text{[illegible]} + s - \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 \text{[illegible]} \wedge \text{[illegible]} j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \text{[illegible]} D + \text{[illegible]} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} \text{[illegible]} \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = \ \Rightarrow$

$$ {}_{fz}S_{j_s, j_i} = \sum_{k = \ {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=s}^{\boldsymbol{l_i} - \ {}_{i}\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)} $$

$$ \frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, j_{sa}^{i} \right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k= {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\text{[illegible]}}^{\text{[illegible]}} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)} \frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k= {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s+1}^{\boldsymbol{l_i} - {}_{i}\boldsymbol{l}+1} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)} \frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)
$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k= \, {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}- \, {}_{i}\boldsymbol{l}+\text{[illegible]}}
$$

$$
\sum_{n_i=\boldsymbol{n}}^{n\text{[illegible]}} \sum_{(n_s=\boldsymbol{n}-\text{[illegible]})}^{(n\text{[illegible]}j_i+1)}
$$

$$
\frac{(n_i - \text{[illegible]} - 1)!}{(\text{[illegible]} - 2)!\text{[illegible]} - \text{[illegible]} - j_i + 1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(\text{[illegible]}_s + j_i \text{[illegible]} \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} \text{[illegible]} j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} =$ [illegible] $\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n}$ [illegible] $1 \wedge$

$1 \leq j_s \leq j_i$ [illegible] $s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq$ [illegible] $\wedge$

$\boldsymbol{l_{ik}} - j$ [illegible] $+ 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D +$ [illegible] $+ s - \boldsymbol{n} - 1 \wedge$

$D \geq$ [illegible] $n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} -$ [illegible] $\wedge$

[illegible] $\wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k= \, {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s- \, {}_{i}\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s \text{[illegible]} 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \text{[illegible]} (j_i - s)!}$$

$$\frac{(D - \text{[illegible]})!}{(D + j_i \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\text{[illegible]} j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \text{[illegible]} + j_{sa} - s = \text{[illegible]} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + \text{[illegible]} \boldsymbol{n} - 1 \text{[illegible]}$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \text{[illegible]} 1 \leq j_i \leq \boldsymbol{n} \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \text{[illegible]} \wedge \boldsymbol{l_{sa}} + \text{[illegible]} - j_{s}\text{[illegible]} \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + \text{[illegible]} \boldsymbol{n} < \boldsymbol{l_i} \leq D \text{[illegible]} \boldsymbol{l_s} + s - \text{[illegible]} - 1 \vee)$

$(D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq \text{[illegible]} j_i - s \text{[illegible]}$

$j_s + s - 1 \text{[illegible]} j_i \leq \boldsymbol{n} \wedge$

$\text{[illegible]} - j^{ik} \text{[illegible]} 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-{}_i\boldsymbol{l}-j_{sa}+1} \sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)} \frac{(n_i-n_s-1)!}{(j_i-2)! \cdot (n_i-n_s-j_i+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)! \cdot (j_i-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, j_{sa}^{i}\right\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$fz \text{[illegible]} j_i = \left(\sum_{k=\ {}_{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=s} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k=\ {}_{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\ {}_{\boldsymbol{i}}\boldsymbol{l}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\text{[illegible]}}\right)$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}=\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}=0\wedge$

$j_{sa}^{s}\leq j_{sa}^{i}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},j_{sa}^{i}\right\}\wedge$

$s\geq2\wedge\boldsymbol{s}=s\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\left(\sum_{k=\ {}_{i}\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ \ )}\ \sum_{j_i=s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=\ {}_{i}\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\ \ )}\ \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\ {}_{i}\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j\text{[illegible]})!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\text{[illegible]}j_i-s)!}$$

$$\left.\frac{(D-\boldsymbol{l_i}\text{[illegible]}}{(D+j_i\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}\text{[illegible]})!}\right)$$

$$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \text{[illegible]} + j_{sa} - s = \text{[illegible]} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + \text{[illegible]} \boldsymbol{n} - 1\text{[illegible]}$$

$$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \text{[illegible]} - \boldsymbol{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s \wedge$$

$$j_s + s \leq j_i \text{[illegible]} \boldsymbol{n} \wedge$$

$$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \text{[illegible]} \boldsymbol{l_{sa}} + j\text{[illegible]} - j_s\text{[illegible]} \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + \text{[illegible]} \boldsymbol{n} < \boldsymbol{l_i} \leq D \text{[illegible]} + s - \boldsymbol{n} - 1) \vee$$

$$(D \geq \boldsymbol{n} < \text{[illegible]} \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \text{[illegible]} \leq D - \boldsymbol{n} + 1 \wedge$$

$$1 \leq \text{[illegible]} j_i - s \wedge$$

$$j_s + s \leq j_i \text{[illegible]} \boldsymbol{n} \wedge$$

$$\text{[illegible]} 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$$

$$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\Big) \wedge$$

$$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$$

$\boldsymbol{s}\colon\{j_{sa}^{s}, j_{sa}^{i}\}\wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k={}_i\boldsymbol{l}}\ \sum_{(j_s=1)}^{(\quad)}\ \sum_{j_i=s}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i-\text{[illegible]}-1)!}{(j_i-\text{[illegible]})!\cdot(n_i-n_s\text{[illegible]}+1)!}\cdot$$

$$\frac{(\text{[illegible]}-1)!}{(\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]})!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+s\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k=\text{[illegible]}}\ \sum_{(j_s=1)}^{(\quad)}\ \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\text{[illegible]}a+s-{}_i\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}}^{n}\ \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk = 0 \wedge$

$j_{sa}^{s} \leq j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{i}\} \wedge$

$s \geq 2 \wedge \boldsymbol{s} = s \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\ _i\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\ _i\boldsymbol{l}+\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}}^{n} \sum_{(n_s=\boldsymbol{n}-\text{[illegible]})}^{(n\text{[illegible]}j_i+1)}$$

$$\frac{(n_i - \text{[illegible]} - 1)!}{(\text{[illegible]} - 2)!\text{[illegible]} - \text{[illegible]} - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(\text{[illegible]}n_s + j_i \text{[illegible]} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} \text{[illegible]} j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \text{[illegible]} D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i \text{[illegible]} s + 1 \wedge$

$j_s + s - 1 \leq j_i \text{[illegible]} \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]}^{k} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < \text{[illegible]} I = \Bbbk >= \text{[illegible]} \wedge$

$j_{sa}^{s} \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{s}\text{[illegible]} \wedge$

$\text{[illegible]} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{il}-s=\boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I=\mathbb{k} >= 0 \wedge$

$j_{sa}^{s}=j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s=2 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1 \Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}\text{[illegible]}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s}=j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s=2 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1 \Rightarrow$

$${}_{fz}S_{j_s,j_i}\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i-s+1)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l}-1)!}{(\boldsymbol{l_i}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\text{[illegible]}+s-\boldsymbol{l}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - \text{[illegible]} - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i}\text{[illegible]} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$ [illegible]

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s +$ [illegible] $\wedge$

$\Bbbk_z: z = 1 =$ [illegible]

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{(\boldsymbol{l_i} + \boldsymbol{n} - D - s)} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_i} - \boldsymbol{l} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-\text{[illegible]}}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i\text{[illegible]}s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\text{[illegible]}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}\text{[illegible]}1)}^{(\text{[illegible]}-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{j_i-\mathbb{k}}$$

$$\frac{(\text{[illegible]}n_{is}\text{[illegible]})!}{(j_s-\text{[illegible]})!\cdot(n_i-\text{[illegible]}s+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}-1)!}{(j_i-j_s\text{[illegible]}1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\text{[illegible]}j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$((D \geq \boldsymbol{n}\text{[illegible]} \wedge \boldsymbol{l_s} > D\text{[illegible]}\boldsymbol{n}+1 \wedge$

$2 \leq \text{[illegible]} j_i - s + \text{[illegible]} \wedge$

$j_s + s - 1 \text{[illegible]} j_i \leq \boldsymbol{n} \wedge$

$\text{[illegible]} j^{ik}\text{[illegible]}1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_i}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\Bbbk,j_{sa}^{i}\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)}\ \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D+j\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\text{[illegible]}j_i)!}+$$

$$\sum_{\text{[illegible]}}^{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]}}\sum_{(j_s=\boldsymbol{l_s}\text{[illegible]})}^{\text{[illegible]}}\sum_{j_i\text{[illegible]}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}\text{[illegible]}}^{n}\sum_{\text{[illegible]}_{is}=\boldsymbol{n}+\mathbb{k}-\text{[illegible]}+1)}^{\text{[illegible]}-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j\text{[illegible]})!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\text{[illegible]}\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s\text{[illegible]}}\cdot$$

$$\frac{(D-\boldsymbol{l}\text{[illegible]})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i}\text{[illegible]}(\boldsymbol{n}-j_i)\text{[illegible]}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \text{[illegible]} \boldsymbol{l_i} + j_{sa} - s \text{[illegible]} \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$fz^{\text{[illegible]}},j_i = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+\text{[illegible]}}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}\text{[illegible]})}^{(n_i-j_s+1)}\ \sum_{n_s=\text{[illegible]}j_i+1}^{\text{[illegible]}+j_s-j_i-\mathbb{k}}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_s-2)!\cdot(\text{[illegible]}-n_{is}-j_s+\text{[illegible]})!}\cdot$$

$$\frac{(n_{is}-n_s-\text{[illegible]})!}{(j_i-j_s-\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\text{[illegible]}+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l}\text{[illegible]}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \text{[illegible]} D-\boldsymbol{n}+\text{[illegible]} \wedge$

$2 \leq j_s \text{[illegible]} j_i - s + 1 \wedge$

$j_s + s - 1 \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} \text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \text{[illegible]} I = \mathbb{k} >= 0 \wedge$

$j_{sa} \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{\text{[illegible]}=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D\text{[illegible]}+1)}^{\text{[illegible]}-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{\left(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2\right)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{i\text{[illegible]}} - j_s + 1)\text{[illegible]}} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} \text{[illegible]} - j_i)!} \cdot$$

$$\frac{\text{[illegible]}n_s - 1)!}{(n_s + j_i - \boldsymbol{n} \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j_i\text{[illegible]}} \cdot$$

$$\frac{(\text{[illegible]} \boldsymbol{l} - \text{[illegible]})!}{(\boldsymbol{l_s} \text{[illegible]} j_s - \boldsymbol{l} + 1)\text{[illegible]} j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} s + 1)!}{(j_s + \boldsymbol{l_i} - j\text{[illegible]} - \boldsymbol{l_s})! \cdot (\text{[illegible]} j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(\text{[illegible]} + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + \text{[illegible]} \wedge$

$2 \leq j_s \leq j_i - s + \text{[illegible]} \wedge$

$j_s + s - 1 \leq \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \text{[illegible]} \boldsymbol{l_{sa}} + j_{s\text{[illegible]}} - j\text{[illegible]} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} > D \text{[illegible]} \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i \text{[illegible]} s + 1 \wedge$

$j_s + \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(\text{[illegible]} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\big) \wedge$

$D \geq \mathbf{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\mathbf{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \mathbf{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\mathbf{l}} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(j_i-s+1)} \sum_{j_i=\mathbf{l_{sa}}+\mathbf{n}+\text{[illegible]}D-j_{sa}}^{\mathbf{l}\text{[illegible]}s-\mathbf{l}}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \mathbf{n} - 1)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(\mathbf{l_s} - \mathbf{l} - 1)!}{(\mathbf{l_s} - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{l_i} - \mathbf{l_s} - s + 1)!}{(j_s + \mathbf{l_i} - j_i - \mathbf{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \mathbf{l_i})!}{(D + j_i - \mathbf{n} - \mathbf{l_i})! \cdot (\mathbf{n} - j_i)!} +$$

$$\sum_{k=\mathbf{l}} \sum_{(j_s=\mathbf{l_s}+\mathbf{n}-D)}^{(\mathbf{l_s}-\mathbf{l}+1)} \sum_{j_i=\mathbf{l_s}+s-\mathbf{l}+1}^{\mathbf{l_{sa}}+s-\mathbf{l}-j_{sa}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s$ [illegible] $\boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s\text{[illegible]}}^{(n_i-j_s+1)}\ \sum_{n_s=\text{[illegible]}j_i+1}^{\text{[illegible]}+j_s-j_i-\Bbbk}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_{\text{[illegible]}}-2)!\cdot(n\text{[illegible]}n_{is}-j_s+\text{[illegible]})!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}-\text{[illegible]})!}{\text{[illegible]}-j_s-\text{[illegible]}!\cdot(n_{is}+j_s\text{[illegible]}s-j_i)!}\cdot$$

$$\frac{\text{[illegible]}_s-1)!}{(\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{\text{[illegible]}_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}\text{[illegible]}D-\boldsymbol{n}\text{[illegible]}$

$2\leq j_s\text{[illegible]}-s+1\wedge$

$j_s+s-1\leq\text{[illegible]}\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{i}}\text{[illegible]}j_{sa}\text{[illegible]}1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<\text{[illegible]}\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\text{[illegible]}\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\text{[illegible]}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\text{[illegible]}-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}\ [illegible]}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)\ [illegible]\ (j_s-2)!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\ [illegible]+1)!}{(j_s+\boldsymbol{l_i}-j_i-\ [illegible])!\cdot(j_i-\ [illegible]+1)!}\cdot$$

$$\frac{[illegible]-\boldsymbol{l_i})!}{[illegible]+j_i-\boldsymbol{n}\ [illegible])!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-$ [illegible]

$D \geq \boldsymbol{n} < n \wedge I=\Bbbk >= 0$ [illegible]

$j_{sa}^{s}=j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}:\{j_{s}^{s}$ [illegible] $\Bbbk, j_{sa}^{i}\} \wedge$

s [illegible] $2 \wedge \boldsymbol{s}=s$ [illegible] $\Bbbk \wedge$

$\Bbbk_z.$ [illegible] $= 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_i-s+1)}^{(\ \ )}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} \text{ [illegible]}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\quad)} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + s - \boldsymbol{l}}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{\text{[illegible]}=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i\text{[illegible]}1)}^{\text{[illegible]}} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\text{[illegible]}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j^s_{sa} = j^i_{sa} - 1 \land$

$\boldsymbol{s}: \{j^s_{sa}, \Bbbk, j^i_{sa}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{ik}}+\text{[illegible]}s-D-j^{ik}_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j^{ik}_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\text{[illegible]}-j_s+1)}^{(n_i-\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-\text{[illegible]}1}^{n_{is}\text{[illegible]}-j_i-\Bbbk}$$

$$\frac{(n_i-\text{[illegible]}-1)!}{(\text{[illegible]}-2)!\text{[illegible]}-j_s+1)!}\cdot$$

$$\frac{(\text{[illegible]}-n_s-1)!}{(j_i-\text{[illegible]}-1)!\text{[illegible]}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\text{[illegible]}\boldsymbol{n} < n \land \text{[illegible]} > D - \text{[illegible]}1 \land$

$2 \le \text{[illegible]} \le j_i - s + 1\text{[illegible]}$

$\text{[illegible]} + s - \text{[illegible]} \le j_i \le \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1\text{[illegible]} \land \text{[illegible]} j^{ik}_{sa} - s = \boldsymbol{l_{ik}} \land$

$D\text{[illegible]}\boldsymbol{n} < \text{[illegible]} \land I = \Bbbk >= 0 \land$

$j^s_{sa} = j^i_{sa}\text{[illegible]} \land$

$\boldsymbol{s}: \{j^s_{sa}, \Bbbk, j^i_{sa}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}^{(\ )}\sum_{(j_s=j_i-s+1)}^{(\ )}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}
$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},j_{sa}^{i}\right\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z=1\Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}^{(\ )}\sum_{(j_s=j_i-s+1)}^{(\ )}\sum_{j_i=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\text{[illegible]} - j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}$ [illegible]

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk, j_{sa}^{i} \right\} \land$

$s = 2 \land \boldsymbol{s} = s +$ [illegible] $\land$

$\Bbbk_z : z = 1 =$ [illegible]

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\ \ )} \sum_{j_i = \boldsymbol{l_s} + \boldsymbol{n} + s - D - 1}^{\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s}\text{[illegible]} = \sum \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_s}\text{[illegible]}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1}^{\text{[illegible]}}$$

$$\sum_{\text{[illegible]}\boldsymbol{n}+\Bbbk}^{n\text{[illegible]}} \sum_{(n_{is}\text{[illegible]}\Bbbk-j_s+1)}^{\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - \text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \text{[illegible]} > D - \text{[illegible]} + 1 \wedge$

$2 \text{[illegible]} j_s \leq \text{[illegible]} - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i\text{[illegible]}} $$

$$ \frac{(n_{\text{[illegible]}} - 1)\text{[illegible]}}{(j_s - 2\text{[illegible]} \cdot (n_i - n_{is}\text{[illegible]} + 1)!} \cdot $$

$$ \frac{(n_{is} - \text{[illegible]} - 1)!}{(j_i \text{[illegible]} 1)! \cdot (n_{is} \text{[illegible]} - n_s - j_i)!} \cdot $$

$$ \frac{(n_s \text{[illegible]}}{(n_s + \text{[illegible]} - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} \text{[illegible]} \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} \text{[illegible]} j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(\text{[illegible]} + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1$ [illegible]

$2 \leq j_{\text{[illegible]}} \leq j_i - s +$ [illegible]

j[illegible] $s - 1 \leq$ [illegible] $\leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $j_{sa}^{ik} + 1 = \boldsymbol{l_s}$ [illegible] $+ j_{sa}^{ik}$ [illegible] $\boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n}$ [illegible] $n \wedge I = \Bbbk >=$ [illegible] $\wedge$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible]

$\boldsymbol{s}$: [illegible] $_{sa}, \Bbbk,$ [illegible] $\} \wedge$

$s = 2 \wedge \boldsymbol{s}$ [illegible] $s + \Bbbk \wedge$

$\Bbbk_z$: [illegible] $1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s-D+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1} $$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}{:}\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk_z{:}\, z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s-D+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\mathbb{k},j_{sa}^{i}\right\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z\colon z=1\Rightarrow$

$${}_{fz}S_{j_sj_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}-D+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i\text{[illegible]}} \sum_{\text{[illegible]}\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\text{[illegible]}j_{sa}^{ik}-D+1)}^{(\text{[illegible]}j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]}} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < \text{[illegible]} \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}-D+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{\text{[illegible]}=j_s+s-1}^{\text{[illegible]}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\text{[illegible]}\mathbb{k}-j_s+1)}^{(n_i-j\text{[illegible]}1)} \sum_{n_s=\boldsymbol{n}\text{[illegible]}1}^{n_{is}\text{[illegible]}-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - \text{[illegible]} - 1)!}{\text{[illegible]} - 2)\text{[illegible]}(n_{\text{[illegible]}} - \text{[illegible]} - j_s + 1)!} \cdot
$$

$$
\frac{(\text{[illegible]} - n_s - 1)!}{(j_i \text{[illegible]} - 1)! \text{[illegible]}_s + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s \text{[illegible]}_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \text{[illegible]} \boldsymbol{n} < n \wedge \text{[illegible]} > D - \text{[illegible]} + 1 \wedge$

$2 \le \text{[illegible]} \le D + \boldsymbol{l_s} + \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i} \text{[illegible]}$

$\text{[illegible]} \le j_s \text{[illegible]} - s + 1 \wedge$

$j_s + s - 1 \le \text{[illegible]} \boldsymbol{n} \wedge$

$\boldsymbol{l_{i}}\text{[illegible]} j_{sa}^{i\text{[illegible]}} \text{[illegible]} 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \ge \boldsymbol{n} < \text{[illegible]} I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} \text{[illegible]} j_{sa}^{\text{[illegible]}} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_{z}\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s\,,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\quad)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l}-\text{[illegible]})!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1$ [illegible]

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} + 1 \leq \boldsymbol{l} \leq D - \text{[illegible]} + 1 \land$

$2 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{\text{[illegible]}} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} - j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_s - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{s}^{\text{[illegible]}}\} \land$

s [illegible] $\boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-s-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \Bigg(\sum_{k=\boldsymbol{l}\text{[illegible]}} \sum_{\text{[illegible]}j_i-s+1)}^{(\text{[illegible]})} \sum_{j_i=\boldsymbol{l_i}+\text{[illegible]}D}^{\text{[illegible]}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{n}+\Bbbk-j_s+\text{[illegible]}}^{(n_i-j_s+\text{[illegible]}} \sum_{\text{[illegible]}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_s\text{[illegible]}2)! \cdot (n\text{[illegible]}n_{is}-j_s+1)!} \cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{\text{[illegible]}-j_s-\text{[illegible]})! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}\right) +$$

$$\Bigg(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s \text{[illegible]} + \boldsymbol{n} - D)}^{(\boldsymbol{l_s} \text{[illegible]} 1)} \sum_{j_i = \boldsymbol{l_s} + s \text{[illegible]}}^{\boldsymbol{l_i} \text{[illegible]} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(\text{[illegible]} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + \text{[illegible]})} \sum_{\text{[illegible]} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z : z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\text{[illegible]}}^{\text{[illegible]}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik}$ [illegible] $> \boldsymbol{l_{ik}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I =$ [illegible] $>= 0 \wedge$

j^{s}[illegible] $= j_{sa}^{i} -$ [illegible]

$\boldsymbol{s}: \{ j^{s}$[illegible]$, \Bbbk, j_{sa}^{i} \} \wedge$

$s = 2$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z : z = 1 \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{j_i = j_s + s - 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot\text{[illegible]}-j_i)!}\right)$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s\text{[illegible]}+\boldsymbol{n}-D)}^{(\boldsymbol{l}\text{[illegible]}D-s)}\ \sum_{j_i=\boldsymbol{l_i}+\text{[illegible]}}^{\text{[illegible]}\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\text{[illegible]}}\ \sum_{(\text{[illegible]}\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1\text{[illegible]}}\ \sum_{\text{[illegible]}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i\text{[illegible]}n_{is}-1)!}{(j_s\text{[illegible]}2)!\cdot(n_i\text{[illegible]}n_{is}-j_s+1)!}\cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{(\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}\,\boldsymbol{l_i})!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\text{[illegible]}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = \text{[illegible]} + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\ )}\ \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+\text{[illegible]}D-j_{sa}^{ik}}^{\boldsymbol{l}\text{[illegible]}s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\text{[illegible]}\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-\text{[illegible]}1)}^{(\text{[illegible]}-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}j_i-\mathbb{k}}$$

$$\frac{(n_i\text{[illegible]})!}{(j_s-\text{[illegible]}!\cdot(n_i-n_{is}\text{[illegible]}s+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}-1)!}{(j_i-j_s\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{\text{[illegible]}j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + s > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!} \cdot
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{\left(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}\right)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!} \cdot
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=j_s+s}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} - s - \boldsymbol{n} - 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} + 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}-2)!}\cdot$$

$$\left.\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D\text{[illegible]}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(j\text{[illegible]}s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_s^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^s = j_s - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^s, \mathbb{k}, j_s^t\} \wedge$

[illegible] $2 = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i}$ [illegible]

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - j_{sa} =$ [illegible] $\boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I$ [illegible] $\Bbbk >= 0$ [illegible]

j_{sa}^{s} [illegible] $j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk,$ [illegible] $\} \wedge$

$s = 2$ [illegible] $\boldsymbol{s} = s +$ [illegible]

$\Bbbk_z: z = 1$ [illegible]

$$_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)\text{[illegible]}(j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i\,\text{[illegible]}\,\boldsymbol{n} - \boldsymbol{l_i})!\,\text{[illegible]})!}\Bigg) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(\text{[illegible]}\boldsymbol{l_{sa}} + \boldsymbol{n}\,\text{[illegible]}+1)}^{(\boldsymbol{l_i} + \boldsymbol{n} - \text{[illegible]})} \sum_{\text{[illegible]}\boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_i} - \boldsymbol{l} + 1}\right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(\text{[illegible]} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(\text{[illegible]} - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(\text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_i} + \boldsymbol{n} - D - s + 1)}^{(\boldsymbol{l_{sa}} - \boldsymbol{l} - j_{sa} + 2)} \sum_{j_i = j_s + s}^{\boldsymbol{l_i} - \boldsymbol{l} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)\text{[illegible]}(j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]} j_i - \boldsymbol{n} - \text{[illegible]})! \cdot (\boldsymbol{n} - j_i)!} \Bigg)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + \text{[illegible]} - j_{sa} > \boldsymbol{l_{ik}} \land \text{[illegible]} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = \text{[illegible]} - 1 \land$

$\boldsymbol{s}\text{[illegible]}j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \land$

$s = \text{[illegible]} \land \boldsymbol{s} = s + \Bbbk \land$

$\text{[illegible]}_z : z = 1\text{[illegible]}$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\ )} \sum_{j_i = \boldsymbol{l_{sa}} + \boldsymbol{n} + s - D - j_{sa}}^{\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\text{[illegible]}-j_i)!}\Bigg)$$

$$\Bigg(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+\text{[illegible]}}^{(j_i-s)}\sum_{\text{[illegible]}=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-\text{[illegible]}}^{\text{[illegible]}+s-\boldsymbol{l}-\text{[illegible]}+1}$$

$$\sum_{\text{[illegible]}=\boldsymbol{n}+\mathbb{k}}^{\text{[illegible]}}\sum_{(n_{\text{[illegible]}}\text{[illegible]}\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i\text{[illegible]}n_{is}-1)!}{(j_s\text{[illegible]})!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(\text{[illegible]}_{is}-n_s-1)!}{(\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - \text{[illegible]} - s + 1)!} \cdot$$

$$\left. \frac{\text{[illegible]}\, \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot \text{[illegible]} j_i)!} \right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \text{[illegible]} + j_{sa} - s = \text{[illegible]} \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk, j_{sa}^{i} \right\} \land$

$s = 2 \land \boldsymbol{s} = \text{[illegible]} + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_{ik}} + \boldsymbol{n} - D - j_{sa}^{ik} + 1)}^{\boldsymbol{l_{ik}} - \boldsymbol{l} - j_{sa}^{ik} + 2} \sum_{j_i = \boldsymbol{l_{sa}} + \boldsymbol{n} + s - D - j_{sa}}^{\boldsymbol{l_{sa}} + s - \boldsymbol{l} - j_{sa} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s \text{[illegible]}} \cdot$$

$$\frac{(D - \boldsymbol{l}\text{[illegible]})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}\text{[illegible]}(\boldsymbol{n} - j_i)\text{[illegible]}}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa}$ [illegible] $s = \boldsymbol{l_{sa}}$ [illegible]

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 > \boldsymbol{l_s}$ [illegible] $+ j_{sa}^{ik} - j_{sa}$ [illegible] $\wedge$ [illegible] $+ j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$($ [illegible] $\geq \boldsymbol{n} < n$ [illegible] $> D -$ [illegible] $+ 1 \wedge$

2 [illegible] $\leq D + \boldsymbol{l_s} +$ [illegible] $\boldsymbol{n} - \boldsymbol{l_i}$ [illegible]

$2 \leq j_s$ [illegible] $- s + 1 \wedge$

$j_s + s - 1 \leq$ [illegible] $\leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i}$ [illegible] j_{sa} [illegible] $1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\big) \wedge$

$D \geq \boldsymbol{n} <$ [illegible] $I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=j_i-s+1)}^{(\quad)}\;\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)}\;\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}+j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$\text{[illegible]}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s \text{[illegible]} + \boldsymbol{n} - D)\, j_i \text{[illegible]}}^{(\boldsymbol{l_s} - \boldsymbol{l} + 1)} \sum_{\text{[illegible]} - D - j_{sa}}^{\text{[illegible]} + s - \boldsymbol{l} - j_{sa} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k} \text{[illegible]}}^{\text{[illegible]}} \sum_{\text{[illegible]} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(\text{[illegible]} j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(\text{[illegible]} 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\text{[illegible]}\, n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s\text{[illegible]}1}^{\text{[illegible]}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+\text{[illegible]}}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\text{[illegible]}\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+\text{[illegible]}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-\text{[illegible]}+1)}^{\text{[illegible]}\boldsymbol{l_{sa}}+s-\text{[illegible]}}\ \sum_{j_i=j_s+s\text{[illegible]}}^{\text{[illegible]}j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\text{[illegible]}}\ \sum_{(\text{[illegible]}\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1\text{[illegible]}}\ \sum_{\text{[illegible]}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i\text{[illegible]}n_{is}-1)!}{(j_s\text{[illegible]}2)!\cdot(n_i\text{[illegible]}n_{is}-j_s+1)!}\cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{(\text{[illegible]}j\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big(($[illegible] $\geq \boldsymbol{n}$ [illegible] $n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

[illegible] $\leq \boldsymbol{l} \leq D$ [illegible] $\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=s+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\text{[illegible]})}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}\text{[illegible]}{}_{a}^{k}+1} $$

$$ \sum_{\text{[illegible]}+\mathbb{k}}^{n} \sum_{(n_{is}=\text{[illegible]}\mathbb{k}-j_s+1)}^{(\text{[illegible]}1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - \text{[illegible]}_{is} - 1)!}{(j_s - \text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(\text{[illegible]}_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\;\text{[illegible]}+1)!}{(j_s+\boldsymbol{l_i}-j_i-\text{[illegible]})!\cdot(j_i-\text{[illegible]}+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D\geq\boldsymbol{n}<n\land\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\land$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\land$

$\boldsymbol{l_{ik}}\leq D+j_{sa}^{ik}-\boldsymbol{n}\big)\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\land$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\land\boldsymbol{l_i}\leq D+s-\boldsymbol{n}\land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{\text{[illegible]}\,i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}j_s-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_i} \leq$ [illegible] $-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j_i - s +$ [illegible] $\land$

$j_s + s$ [illegible] 1 [illegible] $\leq \boldsymbol{n}$ [illegible]

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 =$ [illegible] $\boldsymbol{l_i} + j_{sa}$ [illegible] $s >$ [illegible] $\land$

$D \geq$ [illegible] $n \land I = \mathbb{k} >$ [illegible] $0 \land$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible] $\land$

$\boldsymbol{s}\colon\{$[illegible]$j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} =$ [illegible] $+ \mathbb{k} \land$

[illegible] $\Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} \geq 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s} + \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\text{[illegible]})!}\cdot$$

$$\frac{(D-\boldsymbol{l})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s$ [illegible] $\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_{ik}}\leq$ [illegible] $+\,j_{sa}^{ik}-\boldsymbol{n})$

$(D\geq\boldsymbol{n}<n\wedge$ [illegible] ${}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}$ [illegible] $D-\boldsymbol{n}$ [illegible] $1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>$ [illegible] $+\,j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\boldsymbol{n})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_i}-s+1>\boldsymbol{l_s}\wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{[illegible]\boldsymbol{l}}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i-[illegible]-1}^{[illegible]-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+[illegible]}^{n} \sum_{n_{is}=\boldsymbol{n}+\Bbbk[illegible])}^{(n_i-j_s[illegible])} \sum_{[illegible]\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-[illegible]} $$

$$ \frac{([illegible]-n_{is}-1)!}{([illegible]-2)! \cdot ([illegible]-n_{is}-j_s+1)!} \cdot $$

$$ \frac{([illegible]_{is}-n_s-1)!}{(j_i-j_s-[illegible])! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})! \cdot (j_i-j_s-s+1)!} \cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} $$

$D \geq [illegible] n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i [illegible] s + 1 \wedge$

$j_s [illegible] \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa}^{i}\right\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_i-s+1)}^{(\ \ )}\sum_{j_i=s+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\text{[illegible]})}^{(n_i-j_s+1)}\sum_{n_s=\text{[illegible]}-j_i+1}^{\text{[illegible]}+j_s-j_i-\Bbbk}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(j_s-2)!\cdot(\text{[illegible]}-n_{is}-j_s+\text{[illegible]})!}\cdot$$

$$\frac{(\text{[illegible]}n_s-\text{[illegible]})!}{(\text{[illegible]}j_i-j_s-\text{[illegible]})!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(\text{[illegible]}+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l}\text{[illegible]}j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\text{[illegible]}<n\wedge\boldsymbol{l}\neq\text{[illegible]}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+\text{[illegible]}\wedge$

$1\text{[illegible]}j_s\leq j_i-\text{[illegible]}+1\wedge$

$j_s+\text{[illegible]}-1\leq j_i\leq\text{[illegible]}$

$\boldsymbol{l_{ik}}-j_{sa}^{i\text{[illegible]}}\text{[illegible]}1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}\text{[illegible]}j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$\boldsymbol{l_i}\leq D+s-\text{[illegible]}\wedge$

$D\text{[illegible]}\boldsymbol{n}<\text{[illegible]}\wedge I=\Bbbk>=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}\text{[illegible]}\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\Bbbk,j_{sa}^{i}\right\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=s+2}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \text{[illegible]}\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s\text{[illegible]} \wedge$

$j_s + s - 1 \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}\text{[illegible]}\boldsymbol{l_i} + j_{sa}^{i}\text{[illegible]}s = \text{[illegible]}_{\boldsymbol{ik}} \wedge$

$D \geq \text{[illegible]} n \wedge I = \mathbb{k} > \text{[illegible]}0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - \text{[illegible]}$

$\boldsymbol{s}\text{:}\{\text{[illegible]}j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = \text{[illegible]} + \mathbb{k} \wedge$

$\mathbb{k}_z \text{[illegible]} \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - \text{[illegible]})!}$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i - \boldsymbol{n} - 1)! \text{[illegible]} \boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} \text{[illegible]})!}{(\boldsymbol{l_s} - j_s \text{[illegible]} \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]} 2)!} \cdot$$

$$\frac{(D \text{[illegible]} \boldsymbol{l_i})!}{\text{[illegible]} + j_i \text{[illegible]} - \boldsymbol{l_i} \text{[illegible]} \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j$[illegible]$- s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq$ [illegible] $< n \wedge \boldsymbol{l} \neq$ [illegible] $\wedge \boldsymbol{l_s} \leq D - \boldsymbol{n}$ [illegible] $1 \wedge$

1 [illegible] $j_s \leq j_i -$ [illegible] $+ 1 \wedge$

$j_s +$ [illegible] $- 1 \leq j_i \leq$ [illegible]

[illegible] $- j_{sa}^{\text{[illegible]}}$ [illegible] $1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{\text{[illegible]}}$ [illegible] $\boldsymbol{n}) \vee$

$($[illegible]$\geq \boldsymbol{n}$ [illegible] $\wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

[illegible] $\leq j_s \leq$ [illegible] $- s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{\mathbb{k}_z}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=s+2}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\mathbb{k}=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$\text{[illegible]}S_{j_s,j_i} \text{[illegible]} \sum_{\text{[illegible]}}^{(\boldsymbol{l_s}-\boldsymbol{l}-s\text{[illegible]}} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} <$ [illegible] $\boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{\text{[illegible]}=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\text{[illegible]}\Bbbk-j_s+1)}^{(n_i-\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-\text{[illegible]}1}^{n_{is}\text{[illegible]}-j_i-\Bbbk}$$

$$\frac{(n_i - \text{[illegible]} - 1)!}{(\text{[illegible]}-2)! \cdot (n_{\text{[illegible]}} - \text{[illegible]} - j_s + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - n_s - 1)!}{(j_i - \text{[illegible]} - 1)! \cdot \text{[illegible]}_s + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s \text{[illegible]} j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \text{[illegible]} \boldsymbol{n} < n \wedge \text{[illegible]}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \text{[illegible]} D - \boldsymbol{n} + 1 \wedge$

$1 \leq \text{[illegible]} \leq j_i - s + 1 \text{[illegible]}$

$\text{[illegible]} + s - \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \text{[illegible]} \wedge \text{[illegible]} j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \text{[illegible]} \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} \text{[illegible]} \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} -$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

D [illegible] $n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{z}S_{j_s,j_i} = \sum_{\text{[illegible]}=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \boldsymbol{l_i} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 < j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} -$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\Big) \wedge$

[illegible] $n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{[illegible]} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]})!}{(j_s-2)!\cdot(n_i\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_s-1)!}{(j_i-j_{\text{[illegible]}}-1)!\cdot(n_{\text{[illegible]}}+j_s-n_s-j_{\text{[illegible]}}}\cdot$$

$$\frac{\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-1\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\text{[illegible]}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \text{[illegible]} < n \land \boldsymbol{l} \neq \text{[illegible]}_i \text{[illegible]} \boldsymbol{l_s} \leq D - \boldsymbol{n} + \text{[illegible]} \land$

$1 \leq j_s \leq j_i - \text{[illegible]} 1 \land$

$j_s + \text{[illegible]} - 1 \leq j_i \leq \boldsymbol{n} \text{[illegible]}$

$\text{[illegible]}_{ik} - j_{sa}^{ik} \text{[illegible]} 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} - \text{[illegible]}_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \text{[illegible]} \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < \text{[illegible]} \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} \text{[illegible]} 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s\,,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{\Bbbk_z}S_{j_s,j_i} = \sum \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot([illegible]-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-[illegible]-1)!\cdot(\boldsymbol{n}-[illegible])!}\cdot$$

$$\frac{([illegible]-\boldsymbol{l}[illegible]1)!}{([illegible]j_s-\boldsymbol{l}+[illegible]s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}[illegible]s+1)!}{(j_s+\boldsymbol{l_i}-[illegible]-\boldsymbol{l_s})!\cdot([illegible]-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{([illegible]j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq [illegible] - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + [illegible]1 \wedge$

$j_s + s [illegible] 1 [illegible] j_i \leq \boldsymbol{n} [illegible]$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = [illegible] \wedge \boldsymbol{l_{sa}} + j[illegible] - j_s [illegible] \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + [illegible] \boldsymbol{n} < \boldsymbol{l_i} \leq D [illegible] + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < [illegible] I = \mathbb{k} >= [illegible] \wedge$

$j_{sa}^{s} [illegible] - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_s[illegible] \wedge$

$[illegible] = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=[illegible]}^{[illegible]} \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{([illegible]l_{sa}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^s = j_{sa}^i - 1 \land$

$\boldsymbol{s}: \{j_{sa}^s, \Bbbk, j_{sa}^i\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$fzS\text{[illegible]} = \sum_{k=\boldsymbol{l}} \sum_{(j_s\text{[illegible]})}^{(j_i\text{[illegible]})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}\text{[illegible]}\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n\text{[illegible]}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\boldsymbol{l}\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s})\text{[illegible]}(j\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \text{[illegible]} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}\text{[illegible]}\ \boldsymbol{l_{ik}} \wedge \boldsymbol{l}\text{[illegible]} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}\text{[illegible]}\boldsymbol{l_i} \leq D\text{[illegible]} + s - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}\text{[illegible]}\boldsymbol{l} \wedge \boldsymbol{l_s}\text{[illegible]}D - \text{[illegible]} + 1 \wedge$

$1 \leq j_s\text{[illegible]}j_i - s + 1 \wedge$

$j_s + s - 1\text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}\text{[illegible]} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}\text{[illegible]}\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \vee)$

$(\text{[illegible]} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s\text{[illegible]})}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s\text{[illegible]}j_{sa}}^{\boldsymbol{l_s}+\text{[illegible]}} $$

$$ \sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}_{is}=\boldsymbol{n}+\Bbbk\text{[illegible]})}^{(n_i-j_s\text{[illegible]})} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\text{[illegible]}} $$

$$ \frac{(\text{[illegible]}-n_{is}-1)!}{(\text{[illegible]}-2)! \cdot (\text{[illegible]}-n_{is}-j_s+1)!} \cdot $$

$$ \frac{\text{[illegible]}_s-n_s-1)!}{\text{[illegible]}_i-j_s-\text{[illegible]}! \cdot (n_{is}+j_s-n_s-j_i)!} \cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})! \cdot (j_i-j_s-s+1)!} \cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)! \cdot (n_i-n_{is}-j_s+1)!} \cdot $$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_{\text{[illegible]}} - s + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i}\text{[illegible]} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} >$ [illegible] $\wedge \boldsymbol{l_i} + j_{sa} -$ [illegible] $\boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0$ [illegible]

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} =$ [illegible] $+ \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-\text{[illegible]}+1)}^{\text{[illegible]}\boldsymbol{l_{sa}}+s-\text{[illegible]}j_{sa}+1} \sum_{j_i=j_s+s-\text{[illegible]}}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\text{[illegible]}} \sum_{(\text{[illegible]}\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1\text{[illegible]}} \sum_{\text{[illegible]}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(\text{[illegible]}_s-n_s-1)!}{(\text{[illegible]})!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$\text{[illegible]} \leq j_s \leq \text{[illegible]} - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)}\sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]}}{(j_s-2)!\cdot(\text{[illegible]}n_{is}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}+j_s-n_s-\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{\text{[illegible]}-j_s-\text{[illegible]}1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_i}-j\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \wedge$

$2\text{[illegible]}\boldsymbol{l} \leq D + \text{[illegible]} + s - \boldsymbol{n}\text{[illegible]}\boldsymbol{l_i} \wedge$

$1 \leq \text{[illegible]} \leq j_i - s + \text{[illegible]}$

$\text{[illegible]} + s - \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 \text{[illegible]} \wedge \text{[illegible]} j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D\text{[illegible]}s - \text{[illegible]} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < \text{[illegible]} I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) + $$

$$ \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} + $$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{i}\text{[illegible]}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l}-\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1)\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-j\text{[illegible]}-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D\text{[illegible]}\boldsymbol{n}+1 \wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\text{[illegible]}+1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l}\text{[illegible]}1 \wedge$

$2 \leq j_s \leq j_i - \text{[illegible]} \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}\text{[illegible]}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}\text{[illegible]}j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} < \text{[illegible]} \leq D+\text{[illegible]}+s-\boldsymbol{n}-1 \wedge$

$D\text{[illegible]}\boldsymbol{n}\text{[illegible]}n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^s = j_{sa}^i - \text{[illegible]} \wedge$

$\boldsymbol{s}: \{j_{sa}\text{[illegible]}\mathbb{k}, j_{sa}^i\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_{i}\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq\ {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq$ [illegible] $-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+$ [illegible] $-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i$ [illegible] $+1 \wedge$

$j_s+s-1 \leq j_i \leq$ [illegible] $\wedge$

$\boldsymbol{l_{ik}}-j_{s}$[illegible]$+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n}$ [illegible] $\leq D+$ [illegible] $+s-\boldsymbol{n}-1) \vee$

$(D$ [illegible] $\boldsymbol{n}$ [illegible] $n \wedge \boldsymbol{l} \neq\ {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D$ [illegible] $\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}} \wedge$

$D+j_{sa}^{ik}-\boldsymbol{n} < \boldsymbol{l_{ik}} \leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\Big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s +$ [illegible] $\wedge$

$\mathbb{k} : z = 1 =$ [illegible]

$$_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - \text{[illegible]}} \Bigg)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + \text{[illegible]}$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq \text{[illegible]} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \text{[illegible]} \boldsymbol{l_i} + j_{sa}^{ik} - s = \text{[illegible]} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} \text{[illegible]} \boldsymbol{l_{ik}} \leq D \text{[illegible]} \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \text{[illegible]} \wedge \boldsymbol{l_s} \leq \text{[illegible]} + 1 \wedge$

$D + \boldsymbol{l_s} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} + \text{[illegible]} \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - \text{[illegible]}$

$j_s \text{[illegible]} s \leq \text{[illegible]} \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$f2\text{[illegible]},j_i\text{[illegible]} \sum_{k\text{[illegible]}}^{\text{[illegible]}} \sum_{\text{[illegible]}2)}^{\text{[illegible]}-\boldsymbol{l}+1)} \sum_{\text{[illegible]}\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}_{is}=\boldsymbol{n}+\mathbb{k}-\text{[illegible]}+1)}^{\text{[illegible]}-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{\text{[illegible]}(n_i - n_{is} - 1)!}{(j_s\text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\text{[illegible]}\,n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j^{ik}_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j^{ik}_{sa} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j^{s}_{sa} = j^{i}_{sa} - 1 \wedge$

$\boldsymbol{s}: \{j^{s}_{sa}, \Bbbk, j^{i}_{sa}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-j^{ik}_{sa}+2)} \sum_{j_i=j_s+s-1}^{[illegible]} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \right.
$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s\ \text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(\text{[illegible]}\,\boldsymbol{l_i})!}{(D+j\,\text{[illegible]}\,\boldsymbol{n}-\boldsymbol{l_i})!\ \text{[illegible]}\ j_i)!}+$$

$$\sum_{\text{[illegible]}\,\boldsymbol{l}}^{\text{[illegible]}}\ \sum_{(j_s=\boldsymbol{l}\,\text{[illegible]}-s}^{(\boldsymbol{l_{ik}}\,\text{[illegible]}\,j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\ \sum_{\text{[illegible]}_s=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\text{[illegible]}-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j\,\text{[illegible]})!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D\ \text{[illegible]}\,\boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{i} - 1, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible] $\land$

[illegible] $j_{sa}\} \land$

$s = 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) + $$

$$ \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right. $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} + $$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]}\boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l}\text{[illegible]}1 \land$

$1 \leq j_s \leq j_i \text{[illegible]} \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{\text{[illegible]}} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} \text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \land$

$D \text{[illegible]} n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} - \text{[illegible]} \land$

$\boldsymbol{s}\text{:}\{\text{[illegible]}, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z\text{:}\, z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot
$$

$$
\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot
$$

$$
\frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1)\text{[illegible]}s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}\boldsymbol{l_s})!\cdot\text{[illegible]}_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq$ [illegible] $\boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s}$ [illegible] $- \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i$ [illegible] $s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq$ [illegible] $\wedge$

$\boldsymbol{l_{ik}} - j$[illegible] $+ 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\leq D +$ [illegible] $+ s - \boldsymbol{n} - 1 \wedge$

D [illegible] $n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible] $\wedge$

$\boldsymbol{s}$ [illegible] $j_{sa}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1)\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-j\text{[illegible]}-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D$ [illegible] $\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} +$ [illegible] $- \boldsymbol{n} - \boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i$ [illegible] $\land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_s$ [illegible] $+ 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}}$ [illegible] $j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n}$ [illegible] $\leq D +$ [illegible] $+ s - \boldsymbol{n} - 1 \land$

D [illegible] $n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible] $\land$

$\boldsymbol{s}$: [illegible] $, j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z : z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\ \ )}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(j_i-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l}\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]}-\boldsymbol{n}+1 \land$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}\text{[illegible]}+1 \leq \boldsymbol{l} \leq {}_{\boldsymbol{i}}\boldsymbol{l}\text{[illegible]}1 \land$

$1 \leq j_s \leq j_i\text{[illegible]}s \land$

$j_s+s \leq j_i \leq \boldsymbol{n}\text{[illegible]}$

$\boldsymbol{l_{ik}}-j\text{[illegible]}+1 = \boldsymbol{l_s} \land \boldsymbol{l_s}\text{[illegible]}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s > \boldsymbol{l_{sa}} \land$

$D+s-\boldsymbol{n}\text{[illegible]}\boldsymbol{l}_{\text{[illegible]}} \leq D+\text{[illegible]}+s-\boldsymbol{n}-1 \land$

$D \text{[illegible]} n \land I = \Bbbk >= 0 \land$

$j_{sa}^{s} = j_{sa}^{i}-\text{[illegible]}\land$

$\text{[illegible]}j_{sa}^{i}\} \land$

$s = 2 \land \boldsymbol{s} = s+\Bbbk \land$

$\Bbbk_z : z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\;\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot $$

$$ \frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}\,j_s-\text{[illegible]}-j_i)!}\cdot $$

$$ \frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot $$

$$ \frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\text{[illegible]}\,j_s-\boldsymbol{l}+\text{[illegible]}s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}\,j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} $$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq\text{[illegible]}-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i\text{[illegible]}s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\text{[illegible]}$

$\boldsymbol{l_{ik}}-\text{[illegible]}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l}\text{[illegible]}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}\text{[illegible]}\boldsymbol{l_i}\leq D+\text{[illegible]}+s-\boldsymbol{n}-1\wedge$

$D\geq\text{[illegible]}n\wedge I=\text{[illegible]}=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}-\text{[illegible]}\wedge$

$\text{[illegible]}\{j^{s}\text{[illegible]}_{sa}\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1\Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(\text{[illegible]}-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\text{[illegible]}\,j_s-\boldsymbol{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq$ [illegible] $\boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s}$ [illegible] $- \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i$ [illegible] $s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}$ [illegible]

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_s}$ [illegible] $+ j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D +$ [illegible] $+ s - \boldsymbol{n} - 1 \wedge$

$D \geq$ [illegible] $n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} -$ [illegible] $\wedge$

[illegible] $j_{sa}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z : z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j\text{[illegible]}}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{\text{[illegible]}+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-j\text{[illegible]}-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D\text{[illegible]}\boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l}\text{[illegible]}1 \wedge$

$1 \leq j_s \leq j_i - \text{[illegible]} \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}\text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\text{[illegible]}j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}\text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \wedge$

$D\text{[illegible]}\boldsymbol{n}\text{[illegible]}n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - \text{[illegible]} \wedge$

$\boldsymbol{s}: \{j_{sa}, \Bbbk, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$f z^{\text{[illegible]}} j_i = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\text{[illegible]}s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - \text{[illegible]})!}$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i - \boldsymbol{n} - 1)! \text{[illegible]}\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s} - j_s\text{[illegible]}\boldsymbol{l} + 1)! \cdot (j_s\text{[illegible]}2)!} \cdot$$

$$\frac{\text{[illegible]} - \boldsymbol{l_s} - s\text{[illegible]}1)!}{(j_s + \boldsymbol{l_i}\text{[illegible]} - \boldsymbol{l_s}\text{[illegible]}(j_i\text{[illegible]} - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\text{[illegible]} + j_i - \text{[illegible]} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n}$ [illegible] $\wedge I = \Bbbk >=$ [illegible] $\wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1$ [illegible]

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk,$ [illegible] $\} \wedge$

[illegible] $= 2 \wedge \boldsymbol{s}$ [illegible] $s + \Bbbk \wedge$

$\Bbbk_z : z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]})!}\cdot$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s})\text{[illegible]}(j_i\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}\text{[illegible]}$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \text{[illegible]} + j_{sa}^{ik} - j_{sa} > \text{[illegible]}\boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i}\text{[illegible]}D + \boldsymbol{l_s}\text{[illegible]}s - \boldsymbol{n}\text{[illegible]}\wedge$

$D \geq \text{[illegible]} < n \wedge I = \Bbbk \text{[illegible]} 0 \wedge$

$j_{sa} = j_{sa}^{i}\text{[illegible]}1 \wedge$

$\boldsymbol{s}: \left\{j^{s}\text{[illegible]}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s}\text{[illegible]} + \Bbbk \wedge$

$\text{[illegible]}z = \text{[illegible]}$

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\ \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j\text{[illegible]})!}$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]}}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}(j_i\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}D+j_i\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-$[illegible] $\wedge$

$1 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq$ [illegible] $\wedge$

$\boldsymbol{l_{i}}$[illegible] $-j_{sa}^{ik}+$ [illegible] $=\boldsymbol{l_s} \wedge \boldsymbol{l_s}$[illegible] $+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_i}$[illegible] $\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq$ [illegible] $+\boldsymbol{l_s}+$ [illegible] $-\boldsymbol{n}$ [illegible] $1) \vee$

$(D \geq$ [illegible] $< n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l}$ [illegible] $\boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D$ [illegible] $+s-$ [illegible] $-\boldsymbol{l_i} \wedge$

$1 \leq$ [illegible] $j_i-s+1 \wedge$

j_s+s-1 [illegible] $j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i}\left(\sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}+1)} \sum_{(j_s=\boldsymbol{l_{sa}}\text{[illegible]}-D-j_{sa}+1)}^{\text{[illegible]}} \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]}} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{[illegible]} \sum_{(j_s [illegible] + \boldsymbol{n} - D - j [illegible] 1)}^{[illegible] \boldsymbol{l} - 1)} \sum_{j_i = j_s + s}^{[illegible] - j_{sa} + 1}$$

$$\sum_{[illegible] = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{[illegible]_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(\text{[illegible]}2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D\text{[illegible]}}^{\text{[illegible]}+1} $$

$$ \sum_{\text{[illegible]}\boldsymbol{n}+\mathbb{k}}^{\boldsymbol{n}\text{[illegible]}} \sum_{(n_{is}=\text{[illegible]}\mathbb{k}-j_s+1)}^{(\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - \text{[illegible]}_{is} - 1)!}{(j_s - \text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(\text{[illegible]}_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

$\Big((D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i)!} \cdot $$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s}\cdot$$

$$\frac{(D-\boldsymbol{l})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i}\quad(\boldsymbol{n}-j_i}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}={}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>=0\wedge$

$j_{sa}^{s}=j_{sa}^{i}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\mathbb{k},j_{sa}^{i}\}\wedge$

$s=2\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k={}_{i}\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}\sum_{j_i=s}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\mathbb{k}+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}={}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \le D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_i} \le D + s - \boldsymbol{n} \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_i} -$ [illegible] $+ 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\,_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\;\;)} \sum_{j_i=s}^{\boldsymbol{l_i}-\,_{i}\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1\text{[illegible]}}^{(n_i-j_i-\mathbb{k}+1)}$$

$$\frac{(n_i - n_s - \text{[illegible]})!}{(j_i - 2)! \cdot (\text{[illegible]} - n_s \text{[illegible]}_i + 1)!} \cdot$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i \text{[illegible]} - 1)! \cdot (\boldsymbol{n} \text{[illegible]})!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_s} \text{[illegible]} s + 1)!}{\text{[illegible]} - j_i \text{[illegible]} + 1\text{[illegible]} (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\text{[illegible]}D + s \text{[illegible]} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} = \,_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \text{[illegible]} \boldsymbol{l_i} + j_{sa}^{ik} - s > \text{[illegible]} \land$

$\text{[illegible]} \leq D + s \text{[illegible]}) \lor$

$(D \text{[illegible]} \boldsymbol{n} < n \land \boldsymbol{l} \text{[illegible]} \land \boldsymbol{l_s} \text{[illegible]} + 1 \land$

$1 \leq j_s \text{[illegible]} - s \land$

$j_s + s \leq j_i \text{[illegible]} \land$

$\text{[illegible]} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + \text{[illegible]} - \boldsymbol{n}) \lor$

$(\text{[illegible]} < n \land \boldsymbol{l} = \,_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=s}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}
$$

$$
\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\left.\frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}\right) +
$$

$$
\left(\sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=s+1}^{\boldsymbol{l_i}-{}_{i}\boldsymbol{l}+1}\right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!}$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk$

$\Bbbk : z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k= \ _{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}- \ _{i}\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$[illegible]_{[illegible],j_i} = \sum_{[illegible]} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-{}_{\boldsymbol{i}}\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\mathbb{k}+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s = \boldsymbol{l}_{\boldsymbol{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_{\boldsymbol{i}} \leq D + \boldsymbol{l}_{\boldsymbol{s}} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l}_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j_{sa} - s = \boldsymbol{l}_{\boldsymbol{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_{\boldsymbol{i}} \leq D + \boldsymbol{l}_{\boldsymbol{s}} + s - \boldsymbol{n} - 1 \vee)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l}_{\boldsymbol{s}} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}_{\boldsymbol{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l}_{\boldsymbol{s}} \wedge \boldsymbol{l}_{\boldsymbol{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $_{\boldsymbol{ik}} \wedge \boldsymbol{l}_{\boldsymbol{i}} + j$ [illegible] $- s =$ [illegible] $\wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l}_{\boldsymbol{i}} \leq D + \boldsymbol{l}_{\boldsymbol{s}} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \Bbbk, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s +$ [illegible] $\wedge$

$\Bbbk \cdot z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s, j_i} = \sum_{k = {}_{\boldsymbol{i}}\boldsymbol{l}}^{(\ \ )} \sum_{(j_s=1)} \sum_{j_i = \boldsymbol{l}_{\boldsymbol{sa}} + \boldsymbol{n} + s - D - j_{sa}}^{\boldsymbol{l}_{\boldsymbol{sa}} + s - {}_{\boldsymbol{i}}\boldsymbol{l} - j_{sa} + 1} $$

$$ \sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_i - j_i - \Bbbk + 1)} $$

$$ \frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l}_{\boldsymbol{i}} - \boldsymbol{l}_{\boldsymbol{s}} - s + 1)!}{(\boldsymbol{l}_{\boldsymbol{i}} - j_i - \boldsymbol{l}_{\boldsymbol{s}} + 1)! \cdot (j_i - s)!} \cdot $$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)$ [illegible]

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}$ [illegible] ${}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D -$ [illegible] $1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i$ [illegible] $\boldsymbol{n} \wedge$

$\boldsymbol{l_i} -$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

[illegible] $n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)} \frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot \frac{(D-{}_i\boldsymbol{l})!}{(D+s-\boldsymbol{n}-{}_i\boldsymbol{l})!\cdot(\boldsymbol{n}-s)!}\right) +
$$

$$
\left(\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-{}_i\boldsymbol{l}+1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)} \frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!} \cdot \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!} \cdot \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)
$$

$D \geq \boldsymbol{n} < D \land \boldsymbol{l} = {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \land$

$D \ge \boldsymbol{n} < n \wedge I = \Bbbk >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \Bbbk, j_{sa}^{i} \right\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s \text{[illegible]})}^{(\ )} \sum_{j_i=s} \right.
$$

$$
\sum_{n_i=\text{[illegible]}\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i \text{[illegible]}+1)}
$$

$$
\frac{(n_i \text{[illegible]})!}{(j_i - \text{[illegible]}! \cdot (n_i - n_s \text{[illegible]} j_i + 1)!} \cdot
$$

$$
\frac{(\text{[illegible]} - 1)!}{(n_s \text{[illegible]} j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{\text{[illegible]} s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-{}_i\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}
$$

$$
\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)
$$

$\Big((D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1))$

$D \geq \boldsymbol{n} < n \wedge I = 𝕜 >= 0 \wedge$

$j_{sa}^{s} = j_{sa}^{i} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, 𝕜, j_{sa}^{i}\} \wedge$

$s = 2 \wedge \boldsymbol{s} = s + 1 \wedge$

$𝕜_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \left(\sum_{k=\ _{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+𝕜}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-𝕜+1)}$$

$$\frac{(n_i - n_s - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}\Bigg)+$$

$$\Bigg(\sum_{k=\ _i\boldsymbol{l}}\sum_{(j_s=1)}^{(\ \ )}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\ _i\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(\text{[illegible]}=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk\text{[illegible]})}$$

$$\frac{(n\text{[illegible]}n_s-1\text{[illegible]}}{(j_i-2\text{[illegible]})!\cdot(n_i-\text{[illegible]}+1)!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}$$

$$\frac{(\boldsymbol{l_i}-\text{[illegible]}1)!}{(\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s}+1)!\text{[illegible]}(j_i-s)!}\cdot$$

$$\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D\text{[illegible]}_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D-\boldsymbol{n}+$ [illegible] $\wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}$ [illegible]

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ [illegible] $= \boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$ [illegible]

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s$ [illegible] $\boldsymbol{n} - j_{sa}^{ik}$ [illegible]

$(D \geq$ [illegible] $n \wedge \boldsymbol{l} = \ _i\boldsymbol{l}$ [illegible] $_s \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i$ [illegible] $\wedge$

j_s [illegible] $\leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ [illegible] $> \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $+ \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l}$ [illegible] $D + \boldsymbol{l_s}$ [illegible] $s - \boldsymbol{n} -$ [illegible] $) \wedge$

$D \geq \boldsymbol{n} < n \wedge I =$ [illegible] $>= 0 \wedge$

$j_{sa}^{s} = j_s$ [illegible] $1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \Bbbk, j_{sa}^{i}\}$

s [illegible] $\mathbb{Z} \wedge$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1$ [illegible]

$${}_{fz}S_{j_s,j_i} = \sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-{}_{i}\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i-n_s-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]})!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s\text{ [illegible] }1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\text{ [illegible] }(j_i-s)!}$$

$$\frac{(D-\text{[illegible]})!}{(D+j_i\text{ [illegible] }\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}\text{ [illegible] }j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} -$ [illegible] $\wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0$ [illegible]

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1$ [illegible]

$\boldsymbol{s}\colon \{j_{s}^{s}$ [illegible] $\cdots, \Bbbk, j_{sa}^{i}\} \vee$ [illegible] $\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk,$ [illegible] $\} \wedge$

s [illegible] $2 \wedge \boldsymbol{s} = s$ [illegible] $\Bbbk \wedge$

$\Bbbk_z$ [illegible] $= 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\text{[illegible]}}^{\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{l_{ik}}+\boldsymbol{n}-\text{[illegible]}_{sa}^{ik}+1)}^{(j_i\text{[illegible]})} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}\text{[illegible]}s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]}} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s-1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}})\big)\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l}\text{[illegible]}\, j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\text{[illegible]}\, j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\right\}\wedge$

$s>2\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1\Rightarrow$

$${}_{fz}S_{j_s}=\sum_{k=\boldsymbol{l}}\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l}-1)!}{(\boldsymbol{l_i}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s = \boldsymbol{l_{ik}}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\Big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \lor \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \land$

$s > 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\text{[illegible]} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - \text{[illegible]}$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \text{[illegible]} \wedge$

$\Bbbk_z: z = 1 = \text{[illegible]}$

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_i - s + 1)} \sum_{j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s - D - j_{sa}^{ik}}^{\boldsymbol{l_s} + s - \boldsymbol{l}}$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s<j_i-s\wedge$

$j_s+s-1<j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_i}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\}\wedge$

$s>2\wedge\boldsymbol{s}=s+\mathbb{k}\wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\text{[illegible]} + \boldsymbol{l_i} - j_i \text{ [illegible] } \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\}\vee\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\}\wedge$

$s>2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$$j_z\text{[illegible]}j_i=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s\text{[illegible]}sa+\boldsymbol{n}-D-j_{sa}+1)}^{(j_i\text{[illegible]}+1)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}n_s\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l}\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+$ [illegible] $\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

j_s+s [illegible] 1 [illegible] $j_i\leq\boldsymbol{n}$ [illegible]

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=$ [illegible] $\wedge\boldsymbol{l_{sa}}+j$ [illegible] $-j_s$ [illegible] $\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D\geq$ [illegible] $<n\wedge I=\mathbb{k}>$ [illegible] $\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-$ [illegible] $\wedge j_{sa}^{s}\leq j_{s}^{i}$ [illegible] $-1\wedge$

$\boldsymbol{s}:\{j^{s}$ [illegible] $,\mathbb{k},j_{sa}^{i}\}$ [illegible] $\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\}\wedge$

$s>2\wedge\boldsymbol{s}=$ [illegible] $+\mathbb{k}\wedge$

[illegible] $\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}\,[illegible]}\ \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{[illegible]\boldsymbol{l}_{sa}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\land\boldsymbol{l_s}>D-\boldsymbol{n}+1\land$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \text{[illegible]} (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{\text{[illegible]} + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} \text{[illegible]} \wedge \boldsymbol{l_i} + \text{[illegible]} - s = \text{[illegible]}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \text{[illegible]} 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + \text{[illegible]} 1 \leq j_i \leq \boldsymbol{n} \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \text{[illegible]} \wedge \boldsymbol{l_{sa}} + \text{[illegible]} - j_{sa} \text{[illegible]} \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \text{[illegible]} \boldsymbol{n} < n \wedge \boldsymbol{l_s} > \text{[illegible]} - \boldsymbol{n} + 1 \text{[illegible]}$

$\text{[illegible]} \leq j_s \leq \text{[illegible]} - s + 1 \wedge$

$j_s + s - 1 \leq j_i \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\big) \wedge$

$\text{[illegible]} > \boldsymbol{n} \text{[illegible]} \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\}$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$fzS_{j_s}\text{[illegible]} = \sum_{\text{[illegible]}=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}\text{[illegible]}D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D\text{[illegible]}a)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s\ [illegible]}\cdot$$

$$\frac{(D-\boldsymbol{l})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})\ [illegible]\ (\boldsymbol{n}-j_i)\ [illegible]}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j^{ik}\ [illegible]\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} \text{[illegible]} \sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i-s+1)}^{(\text{[illegible]})} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i \text{[illegible]} 1)}^{(\ \ )} \sum_{j_i = \boldsymbol{l_{ik}} + \boldsymbol{n} + s \text{[illegible]} j_{sa}^{ik}}^{\boldsymbol{l_i} - \text{[illegible]}}
$$

$$
\sum_{n_i = \boldsymbol{n} + \text{[illegible]}}^{n} \sum_{\text{[illegible]}_{is} = \boldsymbol{n} + \mathbb{k} \text{[illegible]})}^{(n_i - j_s \text{[illegible]}} \sum_{\text{[illegible]}\boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \text{[illegible]}}
$$

$$
\frac{(\text{[illegible]} - n_{is} - 1)!}{(j\text{[illegible]} - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} \text{[illegible]} n_s - \mathbb{k} - 1)!}{(j_i \text{[illegible]} j_s - 1)! \cdot \text{[illegible]}_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \geq \boldsymbol{n}$ [illegible] $\wedge \boldsymbol{l_s} > D -$ [illegible] $+ 1 \wedge$

$2 \leq j_s \leq j_i -$ [illegible] $+ 1 \wedge$

j_s [illegible] $s -$ [illegible] $\leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} +$ [illegible] $= \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - \text{[illegible]})!}{(j_s-2)! \cdot (n_i - n_{is} \text{[illegible]} j_s + 1)!}
$$

$$
\frac{(n_{is} - \text{[illegible]} - \mathbb{k} - \text{[illegible]}}{(j_i - j_s - 1)! \cdot (n_{is} \text{[illegible]} j_s - n_s - j_i \text{[illegible]})!} \cdot
$$

$$
\frac{(n_s \text{[illegible]} 1)!}{(\text{[illegible]} + j_i \text{[illegible]} - 1 \text{[illegible]} (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s \text{[illegible]} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D \text{[illegible]} j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} \text{[illegible]} 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \text{[illegible]}$

$\boldsymbol{l}\text{[illegible]} - j_{sa}^{ik} + 1 \text{[illegible]} \boldsymbol{l_s} \wedge \boldsymbol{l_i} + \text{[illegible]}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \text{[illegible]} \boldsymbol{n} < n \wedge I = \text{[illegible]} 0 \wedge$

$j_{sa}^{ik} = j_{sa} \text{[illegible]} 1 \wedge j_{sa}^{s} \leq j_s \text{[illegible]} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j\text{[illegible]}\} \vee \boldsymbol{s}: \{\text{[illegible]}a, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s \text{[illegible]} 2 \wedge \text{[illegible]} s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \text{[illegible]}$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \land$

$s > 2 \land \boldsymbol{s} = s + 1 \land$

$\mathbb{k}_z\colon z = 1 =$ [illegible]

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\quad)} \sum_{j_i = \boldsymbol{l_s} + \boldsymbol{n} + s - D - 1}^{\boldsymbol{l_i} - \boldsymbol{l} + 1}$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\}$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{\text{[illegible]}} \sum_{(j_s=j_i-s+1)}^{(\text{[illegible]})} \sum_{j_i=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i-s+\text{[illegible]})}^{(\text{[illegible]})} \sum_{\text{[illegible]}=\boldsymbol{l_s}+\boldsymbol{n}+s-D-1}^{\text{[illegible]}}$$

$$\sum_{n\text{[illegible]}=\boldsymbol{n}+\mathbb{k}}^{\text{[illegible]}} \sum_{(n_{is}-\text{[illegible]}\mathbb{k}-j_s+1)}^{(\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - \text{[illegible]}_{is} - 1)!}{(j_s - \text{[illegible]})! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{\text{[illegible]}} \text{[illegible]} n_s - \mathbb{k} - 1)!}{(\text{[illegible]}_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n$ [illegible] $> D -$ [illegible] $+ 1 \wedge$

2 [illegible] $j_s \leq$ [illegible] $- s + 1 \wedge$

$j_s + s - 1$ [illegible] $j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $j_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} - \boldsymbol{l_i} + j_{sa}^{ik} - s + \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}
$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_s \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\}$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k}$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s-D+1)}^{(\boldsymbol{l_i}-\boldsymbol{l}-s+2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\right\}\vee\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\right\}\wedge$

$s>2\wedge\boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1\Rightarrow$

$$f_{z,j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-s-D+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{\text{[illegible]}=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_{ik}}\text{[illegible]}-j_{sa}^{ik}-D+1)}^{(\text{[illegible]}-s+2)} \sum_{j_i=j_s+s-1}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n\text{[illegible]}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}-D+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{\text{[illegible]}=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\text{[illegible]}-j_s+1)}^{(n_i-\text{[illegible]}1)} \sum_{n_s=\boldsymbol{n}-\text{[illegible]}}^{n_{is}\text{[illegible]}-j_i-\Bbbk}$$

$$\frac{(n_i-\text{[illegible]}-1)!}{(\text{[illegible]}-2)!\text{[illegible]}-n\text{[illegible]}-j_s+1)!} \cdot$$

$$\frac{(n_{is}-\text{[illegible]}-\Bbbk-1)!}{(j_i-j_s-\text{[illegible]})!\cdot(n_{is}\text{[illegible]}-n_s-j_i-\Bbbk)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \text{[illegible]} \boldsymbol{n} < n \wedge \text{[illegible]} > D - \text{[illegible]} 1 \wedge$

$2 \leq \text{[illegible]} \leq j_i - s + 1 \text{[illegible]}$

$\text{[illegible]} + s - \text{[illegible]} \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 \text{[illegible]} \wedge \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \text{[illegible]} \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk > 0 \wedge$

$\text{[illegible]} = j_{sa}^{i} \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-j_{sa}^{ik}-D+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot $$

$$ \frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}-\Bbbk)!}\cdot $$

$$ \frac{\text{[illegible]}(n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_{\text{[illegible]}}}\cdot $$

$$ \frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}_s-2)!}\cdot $$

$$ \frac{\text{[illegible]}D-\boldsymbol{l_i})!}{(\text{[illegible]}+j_i-\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\text{[illegible]} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \text{[illegible]} \wedge$

$\boldsymbol{l}\text{[illegible]}-j_{sa}^{ik}+1\text{[illegible]}\boldsymbol{l_s} \wedge \boldsymbol{l_i}+\text{[illegible]}^{ik}_{\text{[illegible]}a}-s > \boldsymbol{l_{ik}} \wedge$

$D \text{[illegible]}\boldsymbol{n} < n \wedge I = \text{[illegible]} 0 \wedge$

$j_{sa}^{ik} = j_{s\text{[illegible]}}-1 \wedge j_{sa}^{s} \leq j_{s\text{[illegible]}}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,\text{[illegible]}\right\} \vee \boldsymbol{s}\colon\left\{\text{[illegible]}_{a},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\right\} \wedge$

$s \text{[illegible]} 2 \wedge \text{[illegible]} s+\Bbbk \wedge$

$\Bbbk_z\colon z = 1 \text{[illegible]}$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right. $$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i\text{[illegible]})}\;\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\;\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\text{[illegible]})!}\cdot$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]}}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}(j_i\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}D+j_i-\text{[illegible]}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l}$ [illegible] $D - \boldsymbol{n}$ [illegible] $1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 = \boldsymbol{l_s} \wedge$ [illegible] $+ j_{sa}^{ik} - s > \boldsymbol{l_{ik}}$ [illegible]

$D \geq \boldsymbol{n} < n \wedge$ [illegible] $\mathbb{k} > 0 \wedge$

j_{sa}^{ik} [illegible] $- 1 \wedge j_{sa}^{s} \leq$ [illegible] $- 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots,$ [illegible] $j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j$ [illegible] $\cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s >$ [illegible] $\boldsymbol{s} = s +$ [illegible]

$\mathbb{k}_z\colon z = 1$ [illegible]

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1) \text{[illegible]} (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]} + j_i - \boldsymbol{n} \text{[illegible]})! \cdot (\boldsymbol{n} - j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_s \text{[illegible]} - s > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \text{[illegible]}$

$2 \leq \boldsymbol{l} \text{[illegible]} D + \boldsymbol{l_s} + s \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - \text{[illegible]} 1 \wedge$

$j_s + \text{[illegible]} - 1 \leq j_i \leq \boldsymbol{n} \text{[illegible]}$

$\text{[illegible]} - j_{sa}^{ik} \text{[illegible]} 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]}_{sa}^{ik} - s = \boldsymbol{l_{ik}}) \vee$

$(D \geq \text{[illegible]} < n \wedge \text{[illegible]} - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D \text{[illegible]} \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq \text{[illegible]} - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\ )} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + s - \boldsymbol{l}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \boldsymbol{l_s} + \boldsymbol{n} - D)}^{(j_i - s)} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + s - \boldsymbol{l}} \right.
$$

$$
\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1 \Rightarrow$

$${}_{fz}S_{j}\text{[illegible]} = \left(\sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{i\text{[illegible]}}+2)} \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik}$ [illegible] $> \boldsymbol{l_{ik}})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I =$ [illegible] $> 0 \wedge$

j[illegible] $= j_{sa}^{i} -$ [illegible] $j_{sa}^{s} \leq j_s$[illegible] $1 \wedge$

$\boldsymbol{s}\colon \{$[illegible]$, \cdots, \Bbbk, j_{sa}^{i}\}$ [illegible] $\{j_{sa}^{s}, \cdots,$ [illegible] $j_{sa}^{i}\} \wedge$

$s > 2$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}.
$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\text{[illegible]})!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{(\text{[illegible]}\,\boldsymbol{l_i})!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\text{[illegible]}-j_i)!}\right)$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-\text{[illegible]}$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\right\}\text{[illegible]}\,\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\text{[illegible]}\,j_{sa}^{i}\right\}\wedge$

$s>2\wedge\boldsymbol{s}=\text{[illegible]}+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_i-s+1)}^{(\ )}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+\text{[illegible]}D-j_{sa}^{ik}}^{\boldsymbol{l}\text{[illegible]}s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I=\Bbbk > 0 \wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\right\} \vee \boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\right\} \wedge$

$s>2 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1 \Rightarrow$

$${}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}\text{[illegible]}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s\text{[illegible]}}^{(n_i-j_s+1)}\ \sum_{\text{[illegible]}=\text{[illegible]}j_i+1}^{n\text{[illegible]}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n\text{[illegible]}n_{is}-1)!}{\text{[illegible]}-2)!\cdot(n\text{[illegible]}n_{is}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-n_s\text{[illegible]}-1\text{[illegible]}}{(j_i-\text{[illegible]}-1)!\cdot\text{[illegible]}+j_s-n_s\text{[illegible]}j_i-\mathbb{k})!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{(n\text{[illegible]}+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{\text{[illegible]}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{\text{[illegible]}_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \text{[illegible]} \boldsymbol{n} < n \land \boldsymbol{l_s} > \text{[illegible]} - \boldsymbol{n} + 1$

$2 \leq \boldsymbol{l} \leq \text{[illegible]} + \boldsymbol{l_s} + s - \text{[illegible]} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i - \text{[illegible]} \land$

$j_s \text{[illegible]} s \leq \text{[illegible]} \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + \text{[illegible]} > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \land$

$s > 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!}
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=j_s+s}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-\boldsymbol{n}-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} - s - \boldsymbol{n} + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_i-s+1)}^{(\quad)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\mathbf{l}} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{l_{sa}}-\mathbf{l}-j_{sa}+2)} \sum_{j_i=\mathbf{l_{sa}}+s-\mathbf{l}-j_{sa}+2}^{\mathbf{l_i}-\mathbf{l}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}n_s-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\mathbf{n}-j_{\text{[illegible]}}}\cdot$$

$$\frac{(\text{[illegible]}-\mathbf{l}\text{[illegible]}1)!}{(\text{[illegible]}j_s-\mathbf{l}+\text{[illegible]}_s-2)!}\cdot$$

$$\frac{(\mathbf{l_i}-\mathbf{l_s}\text{[illegible]}s+1)!}{(j_s+\mathbf{l_i}-\text{[illegible]}-\mathbf{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\mathbf{l_i})!}{(D\text{[illegible]}j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!}\right)$$

$D \geq \mathbf{n} < n \wedge \mathbf{l_s} > D - \mathbf{n} +$ [illegible] $\wedge$

$D + \mathbf{l_s} + s - \mathbf{n} - \mathbf{l_i} + 1 \leq \mathbf{l} \leq D$ [illegible] $\mathbf{n} + 1 \wedge$

$2 \leq j_s \leq j_i$ [illegible] $s \wedge$

$j_s + s \leq j_i \leq \mathbf{n}$ [illegible]

$\mathbf{l_{ik}} -$ [illegible] $+ 1 = \mathbf{l_s} \wedge \mathbf{l}$[illegible] $+ j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D \geq \mathbf{n} <$ [illegible] $I = \mathbb{k} >$ [illegible]

j_{sa}^{ik} [illegible] $- 1 \wedge j_{sa} = j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}$[illegible]$_{sa}^{i}\} \vee \mathbf{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

[illegible] $= s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\mathbf{l}} \sum_{(j_s=\mathbf{l_{sa}}+\mathbf{n}-D-j_{sa}+1)}^{(\mathbf{l_{sa}}-\mathbf{l}-j_{sa}+2)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_i}-\mathbf{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D-\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i-s+1 \wedge$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I=\Bbbk>0 \wedge$

$j_{sa}^{ik} \leq j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\} \wedge$

$s>2 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z\colon z=1$

$${}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s-1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)\text{[illegible]}(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\text{[illegible]})!}\Bigg)+$$

$$\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}\text{[illegible]}+1)}^{(\boldsymbol{l_i}+\boldsymbol{n}-\text{[illegible]})}\ \sum_{\text{[illegible]}=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{\text{[illegible]}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\text{[illegible]}-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{\text{[illegible]})!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(\text{[illegible]}-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)\text{[illegible]}(j_s-2)!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}+1)!}{(j_s+\boldsymbol{l_i}-j_i-\text{[illegible]})!\cdot(j_i-\text{[illegible]}+1)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{\text{[illegible]}-\boldsymbol{n}-\text{[illegible]})!\cdot(\boldsymbol{n}-j_i)!}\Bigg)$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+$ [illegible] $-j_{sa}>\boldsymbol{l_{ik}}\wedge$ [illegible] $+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=$ [illegible] $-1\wedge j_{sa}^{s}$ [illegible] $-1\wedge$

$\boldsymbol{s}$: [illegible] $j_{sa}^{s},\cdots,\Bbbk,j_{sa}$ [illegible] $\vee\ \boldsymbol{s}:\{j_{sa}^{s}$ [illegible] $,j_{sa}^{ik},\Bbbk,$ [illegible] $\}\wedge$

$s>$ [illegible] $\wedge\boldsymbol{s}=s+\Bbbk\wedge$ [illegible]

[illegible] $_z:z=1$ [illegible]

$${}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\ )}\ \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}^{ik}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-\text{[illegible]}-s+1)!}\cdot$$

$$\left.\frac{\text{[illegible]}\,\boldsymbol{l_i})!}{(D+\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})!\,\text{[illegible]}\,j_i)!}\right)$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1\leq\boldsymbol{l}\leq D-\boldsymbol{n}+1\wedge$

$2\leq j_s\leq j_i-s\wedge$

$j_s+s\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge$ [illegible] $+j_{sa}-s=$ [illegible] $\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\mathbb{k}>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-$ [illegible]

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa}^{i}\}$ [illegible] $\boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},$ [illegible] $j_{sa}^{i}\}\wedge$

$s>2\wedge\boldsymbol{s}=$ [illegible] $+\mathbb{k}\wedge$

$\mathbb{k}_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\big) \land$

$D \geq \boldsymbol{n} < n \land I=\mathbb{k} > 0 \land$

$j_{sa}^{ik}=j_{sa}^{i}-1 \land j_{sa}^{s} \leq j_{sa}^{ik}-1 \land$

$\boldsymbol{s}\colon\{j_{sa}^{s},\cdots,\mathbb{k},j_{sa}^{i}\} \lor \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s}=s+\mathbb{k} \land$

$\mathbb{k}_z\colon z=1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_s}+s-\boldsymbol{l}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\boldsymbol{n}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i-s \land$

$j_s+s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i-s \land$

$j_s+s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l_s} > D-\boldsymbol{n}+1 \land$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq D-\boldsymbol{n}+1 \land$

$2 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{f_z}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{(j_s \text{[illegible]} +\boldsymbol{n}-D)}^{\text{[illegible]}} \sum_{\text{[illegible]}-D-j_{sa}}^{\text{[illegible]}+s-\boldsymbol{l}-j_{sa}+1} \sum_{n_i=\boldsymbol{n}+\Bbbk}^{\text{[illegible]}} \sum_{\text{[illegible]}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(\text{[illegible]} j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} \frac{(n_i - n_{is} - 1)!}{(\text{[illegible]} 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \Bbbk - 1)!}{(\text{[illegible]} - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

D [illegible] $n \land \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \land$

$2 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}\colon \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+1}^{\text{[illegible]}} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{\text{[illegible]}} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+1)}\ \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{\boldsymbol{l_{sa}}+s-\text{[illegible]}j_{sa}+1}\ \sum_{j_i=j_s+s-1}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{\text{[illegible]}}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{\text{[illegible]}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$2\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}})\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l_s}>D-\boldsymbol{n}+1\wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} > D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}})\Big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\}$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_s}+\boldsymbol{n}-D)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)}\sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,\text{[illegible]}} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=s+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n} \land$

$D \geq \boldsymbol{n} < n \land I = \mathbb{k} > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \lor \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \land$

$s > 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = s + \Bbbk \land$

$\Bbbk_z: z = 1 \Rightarrow$

${}_{fz}S$ [illegible] i

$$= \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j\text{[illegible]}\,n_s-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l_s}\text{[illegible]}\,j_s-\boldsymbol{l}+\text{[illegible]}\,s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}\,s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}\,j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_i} \leq \text{[illegible]} - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \text{[illegible]} 1 \text{[illegible]} j_i \leq \boldsymbol{n} \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \text{[illegible]} \wedge \boldsymbol{l_i} + j_{sa} \text{[illegible]} s > \text{[illegible]}_{\boldsymbol{k}} \wedge$

$D \geq \text{[illegible]} < n \wedge I = \mathbb{k} > \text{[illegible]} \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} \leq j_{s}\text{[illegible]} - 1 \wedge$

$\boldsymbol{s}\colon\{j\text{[illegible]}\,\mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = \text{[illegible]} + \mathbb{k} \wedge$

[illegible] $\Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\text{[illegible]})!}\cdot$$

$$\frac{(n_s-1\text{[illegible]}}{(n_s+j_i-\boldsymbol{n}-1)!\text{[illegible]}\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}-j_s\text{[illegible]}\boldsymbol{l}+1)!\cdot(j_s\text{[illegible]}2)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l_s}-s\text{[illegible]}1)!}{(j_s+\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}\text{[illegible]}-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i\text{[illegible]}\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l}$[illegible]$\wedge \boldsymbol{l_i} + j_{sa}^{ik} - s$ [illegible] $\boldsymbol{l_{ik}} \wedge$

$D \geq$ [illegible] $< n$ [illegible] $I = \mathbb{k}$ [illegible] $0 \wedge$

$j_{sa}^{i\text{[illegible]}} = j_{sa}^{i} - 1 \wedge$ [illegible] $\leq j_{sa}^{ik}$ [illegible] $\wedge$

$\boldsymbol{s}\colon \{j_{s\text{[illegible]}} \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}\colon$ [illegible]$_{a}^{s}, \cdots, j_{sa}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s}$ [illegible] $s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z$ [illegible] $1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \text{[illegible]}} \cdot$$

$$\frac{(D - \boldsymbol{l})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i}) \text{ [illegible] } (\boldsymbol{n} - j_i)}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1$ [illegible]

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s$ [illegible] $\boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq$ [illegible] $+ j_{sa}^{ik} - \boldsymbol{n})$

$(D \geq \boldsymbol{n} < n \wedge$ [illegible] ${}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D - \boldsymbol{n}$ [illegible] $1 \wedge$

$1 \leq$ [illegible] $\leq j_i - s + 1$ [illegible]

$j_s + s - 1$ [illegible] $j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} -$ [illegible] $+ 1 >$ [illegible] $+ j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s$ [illegible] $\boldsymbol{n}) \vee$

[illegible] $\wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{[illegible]\boldsymbol{l}}^{[illegible]} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=[illegible]-1}^{[illegible]-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n} \sum_{n_{is}=\boldsymbol{n}+\mathbb{k}[illegible])}^{(n_i-j_s[illegible])} \sum_{n_s=[illegible]\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-[illegible]}$$

$$\frac{([illegible]-n_{is}-1)!}{([illegible]-2)! \cdot ([illegible]-n_{is}-j_s+1)!} \cdot$$

$$\frac{(n_{is}[illegible]n_s-\mathbb{k}-1)!}{(j_i[illegible]j_s-1)! \cdot ([illegible]_{is}+j_s-n_s-j_i-\mathbb{k})!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)! \cdot (\boldsymbol{n}-j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})! \cdot (j_i-j_s-s+1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})! \cdot (\boldsymbol{n}-j_i)!}$$

$D \geq [illegible]\, n \wedge \boldsymbol{l} \neq [illegible]{}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i [illegible] s + 1 \wedge$

$j_s [illegible] \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\quad)} \sum_{j_i = s+1}^{\boldsymbol{l_{ik}} + s - \boldsymbol{l} - j_{sa}^{ik} + 1}
$$

$$
\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_{is} = \boldsymbol{n} + \text{[illegible]})}^{(n_i - j_s + 1)} \sum_{n_s = \text{[illegible]} - j_i + 1}^{\text{[illegible]} + j_s - j_i - \Bbbk}
$$

$$
\frac{(\text{[illegible]} - n_{is} - 1)!}{(j_s - 2)! \cdot (\text{[illegible]} - n_{is} - j_s + \text{[illegible]})!} \cdot
$$

$$
\frac{\text{[illegible]} - \Bbbk - \text{[illegible]})!}{(j_i \text{[illegible]} j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} - \Bbbk)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(\text{[illegible]} + j_i - \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l} \text{[illegible]} j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}
$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \text{[illegible]} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + \text{[illegible]} \wedge$

$1 \text{[illegible]} j_s \leq j_i - \text{[illegible]} + 1 \wedge$

$j_s + \text{[illegible]} - 1 \leq j_i \leq \text{[illegible]}$

$\boldsymbol{l_{ik}} - j_{sa}^{\text{[illegible]}} \text{[illegible]} 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \text{[illegible]}$

$D \text{[illegible]} \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\ )}\ \sum_{j_i=s+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(j_i-s)}\ \sum_{j_i=s+2}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n\text{[illegible]} - j_s + 1)\text{[illegible]}} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s \text{[illegible]} - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \text{[illegible]} 1)! \cdot (\boldsymbol{n} - j_i\text{[illegible]}} \cdot$$

$$\frac{\text{[illegible]} - \boldsymbol{l} \text{[illegible]})!}{(\boldsymbol{l_s} \text{[illegible]} j_s - \boldsymbol{l} + 1\text{[illegible]} s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} s + 1)!}{(j_s + \boldsymbol{l_i} - \text{[illegible]} - \boldsymbol{l_s})! \cdot \text{[illegible]} - j_s - s + 1)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D \text{[illegible]} j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]}\ \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + \text{[illegible]} \land$

$j_s + s - 1 \leq \text{[illegible]} \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \text{[illegible]}\ \boldsymbol{l_i} + j_{sa}^{\text{[illegible]}}\ \text{[illegible]}\ s = \text{[illegible]}_{\boldsymbol{ik}} \land$

$D \geq \text{[illegible]}\ n \land I = \mathbb{k} > \text{[illegible]} \land$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \land j_{sa}^{s} \leq j\text{[illegible]} - 1 \land$

$\boldsymbol{s}: \{\text{[illegible]}, \mathbb{k}, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = \text{[illegible]} + \mathbb{k} \land$

$\mathbb{k}_z \text{[illegible]} \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s \le j_i \le \boldsymbol{n}) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \le D + s - \boldsymbol{n})\big) \wedge$

$D \ge \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\ \ )} \sum_{j_i=s+1}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=s+2}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\Bbbk=\boldsymbol{l}}^{\text{[illegible]}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$\text{[illegible]}{}_{z}S_{j_s,j_i} \text{[illegible]} \sum_{k\text{[illegible]}}^{\text{[illegible]}} \sum_{(j_s=2)}^{(\boldsymbol{l}_s-\boldsymbol{l}-s\text{[illegible]})} \sum_{j_i=j_s+s-1}^{\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} $$

D [illegible] $\boldsymbol{n} < n \wedge$ [illegible] ${}_i\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1$ [illegible] $\boldsymbol{l} \wedge \boldsymbol{l}$ [illegible] $j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

D [illegible] $\boldsymbol{n} <$ [illegible] $\wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
\begin{aligned}
{}_{fz}S_{j_s,j_i} = \Bigg(& \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \\
& \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \\
& \frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!} \cdot \\
& \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot \\
& \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot \\
& \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \Bigg) + \\
\Bigg(& \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \\
& \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} \\
& \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!} \cdot \\
& \frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!} \cdot \\
& \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!} \cdot \\
& \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!} \cdot \\
& \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!} \cdot
\end{aligned}
$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i}$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\Big) \wedge$

D [illegible] $n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z : z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{\text{[illegible]}}S_{j_s,j_i} = \sum_{\text{[illegible]}\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{\text{[illegible]}+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}\boldsymbol{l}-\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-j\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{\text{[illegible]}+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \land$

$1 \leq j\text{[illegible]} \leq j_i - s + \text{[illegible]}$

$j\text{[illegible]} s - 1 \leq \text{[illegible]} \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}\text{[illegible]} j_{sa}^{ik} + 1 = \boldsymbol{l_s} \text{[illegible]} + j_{sa}^{ik} \text{[illegible]} \boldsymbol{l_{ik}} \land$

$D + s \text{[illegible]} < \boldsymbol{l_i} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \text{[illegible]} \neq \text{[illegible]} \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \text{[illegible]} j_s \leq \text{[illegible]} - s + 1 \land$

$j_s + s - 1 \text{[illegible]} j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} \text{[illegible]} j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\Big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s+s-1\leq j_i\leq \boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge \boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq \boldsymbol{n}<n\wedge \boldsymbol{l}\neq {}_{i}\boldsymbol{l}\wedge \boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq \boldsymbol{n}\wedge$

$\boldsymbol{l_i}-s+1>\boldsymbol{l_s}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\big)\wedge$

$D\geq \boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\leq j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\right\}\vee \boldsymbol{s}\colon\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,\text{[illegible]}\right\}\wedge$

$s>2\wedge \boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z\colon z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=2)}^{(j_i-s+1)}\;\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]}}{(j_s-2)!\cdot(\text{[illegible]}n_{is}-\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-\text{[illegible]}\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}-n_s-j_i-\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{\text{[illegible]}-j_s-\text{[illegible]}1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_i}-\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l} \neq \text{[illegible]}_{\boldsymbol{i}} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+\text{[illegible]} \wedge$

$1\text{[illegible]} j_s \leq j_i - \text{[illegible]}+1 \wedge$

$j_s + \text{[illegible]} - 1 \leq j_i \leq \boldsymbol{n}\text{[illegible]}$

$\text{[illegible]}_{\boldsymbol{k}} - j_{sa}^{ik}\text{[illegible]}1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} - \text{[illegible]}_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \text{[illegible]} D \text{[illegible]}_{\boldsymbol{s}} + s - \boldsymbol{n} - 1 \wedge$

$D \text{[illegible]} \boldsymbol{n} < \text{[illegible]} \wedge I = \Bbbk > 0 \wedge$

$\text{[illegible]}_{sa}^{ik} = j_{sa}^{i}\text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\;\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$
\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\;\sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} -$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

[illegible] $n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot
$$

$$
\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +
$$

$$
\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{\text{[illegible]}=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-\text{[illegible]}}$$

$$\frac{(n_i-n_{is}-\text{[illegible]}}{(j_s-2)!\cdot(n_i\text{[illegible]}+1)!}\cdot$$

$$\frac{(n_{is}-n_{\text{[illegible]}}\text{[illegible]}\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}-n_s-j_i-\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}}{(n_s\text{[illegible]}j_i-\boldsymbol{n}-1\text{[illegible]}-j_i)!}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}-1)!}{(\text{[illegible]}-j_s-\text{[illegible]}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}\text{[illegible]}\boldsymbol{l_s}-s+1)!}{(j_s\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \text{[illegible]} < n \wedge \boldsymbol{l} \neq \text{[illegible]}_{\boldsymbol{i}} \text{[illegible]} \boldsymbol{l_s} \leq D-\boldsymbol{n}+\text{[illegible]} \wedge$

$1 \text{[illegible]} j_s \leq j_i - \text{[illegible]} 1 \wedge$

$j_s + \text{[illegible]} - 1 \leq j_i \leq \boldsymbol{n}\text{[illegible]}$

$\text{[illegible]}_{\boldsymbol{ik}} - j_{sa}^{ik} \text{[illegible]} 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]}_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s \text{[illegible]} \boldsymbol{n} < \boldsymbol{l_i} \text{[illegible]} \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < \text{[illegible]} \wedge I = \mathbb{k} > 0 \wedge$

$\text{[illegible]}_{a}^{ik} = j_{sa}^{i} \text{[illegible]} 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik})} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+ $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s-1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot $$

$$ \frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{\Bbbk_z}S_{j_s,j_i} = \sum_{[illegible]} \sum_{(j_s=2)}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)}\sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l}-1)!}{(\boldsymbol{l_{sa}}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq{}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1\wedge$

$D\geq\boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}=j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\right\}\vee\boldsymbol{s}:\left\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\right\}\wedge$

$s\geq2\wedge S=s+\Bbbk\wedge$

$\Bbbk_z:z=1\Rightarrow$

$${}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}\,[illegible]}^{[illegible]}\ \sum_{[illegible]=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{[illegible]\boldsymbol{l}_{sa}-\boldsymbol{l}-j_{sa}+2)}\ \sum_{j_i=j_s+s-1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$fz\text{[illegible]} = \sum_{k=\boldsymbol{l}}^{\text{[illegible]}} \sum_{(j_s\text{[illegible]})}^{(j_i\text{[illegible]})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}\text{[illegible]}\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(\text{[illegible]}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s\text{[illegible]})} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{\text{[illegible]}_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$\dfrac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i -}$ [illegible] $)!$

$\dfrac{(n_s - 1}{(n_s + j_i - \boldsymbol{n} - 1)!}$ [illegible] $\boldsymbol{n} - j_i)!$

$\dfrac{(\boldsymbol{l_s} - \boldsymbol{l}}{(\boldsymbol{l_s} - j_s}$ [illegible] $\boldsymbol{l} + 1)! \cdot (j_s$ [illegible] $2)! \cdot$

$\dfrac{(}{(j_s + \boldsymbol{l_i}}$ [illegible] $- \boldsymbol{l_s} - s$ [illegible] $1)!$ / $- \boldsymbol{l_s})$ [illegible] $- s + 1)! \cdot$

$\dfrac{(D - \boldsymbol{l_i})!}{(D + j_i}$ [illegible] $\boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 =$ [illegible] $\wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $\boldsymbol{l_{ik}} \wedge \boldsymbol{l}$ [illegible] $j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D$ [illegible] $+ s - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l}$ [illegible] $\boldsymbol{l} \wedge \boldsymbol{l_s}$ [illegible] $D -$ [illegible] $+ 1 \wedge$

$1 \leq j_s$ [illegible] $j_i - s + 1 \wedge$

$j_s + s - 1$ [illegible] $\leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}$ [illegible] $+ 1 > \boldsymbol{l_s}$ [illegible] $\boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \vee)$

$($ [illegible] $n \wedge \boldsymbol{l} \neq {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s\text{[illegible]})}^{(j_i-s+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s\text{[illegible]}_{sa}}^{\boldsymbol{l_s}+\text{[illegible]}}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n} \sum_{\text{[illegible]}_{is}=\boldsymbol{n}+\Bbbk\text{[illegible]})}^{(n_i-j_s\text{[illegible]})} \sum_{\text{[illegible]}\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\text{[illegible]}}$$

$$\frac{(\text{[illegible]}-n_{is}-1)!}{(\text{[illegible]}-2)!\cdot(\text{[illegible]}-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}\text{[illegible]}n_s-\Bbbk-1)!}{(j_i\text{[illegible]}_s-1)!\cdot\text{[illegible]}_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_{\text{[illegible]}} - s + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{(D + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \text{[illegible]} - j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ _{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} >$ [illegible] $\wedge \boldsymbol{l_i} + j_{sa} -$ [illegible] $\boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} -$ [illegible]

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\}$ [illegible] $\boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik},$ [illegible] $\} \wedge$

$s > 2 \wedge \boldsymbol{s} =$ [illegible] $+ \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$_{fz}S_{j_s, j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+[illegible])!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot([illegible]\boldsymbol{n}-j_i)!}$$

$$\sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+[illegible]} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-[illegible]+1)}^{[illegible]\boldsymbol{l_{sa}}+s-[illegible]j_{sa}+1} \sum_{j_i=j_s+s-[illegible]}^{[illegible]}$$

$$\sum_{[illegible]_i=\boldsymbol{n}+\mathbb{k}}^{[illegible]} \sum_{([illegible]\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1[illegible]} \sum_{[illegible]-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i[illegible]n_{is}-1)!}{(j_s[illegible]2)!\cdot(n_i[illegible]n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}[illegible]n_s-\mathbb{k}-1)!}{(j_i-[illegible]-1)![illegible](n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big(([illegible] \geq \boldsymbol{n} [illegible] n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$[illegible] \leq j_s \leq [illegible] - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-1)}\sum_{j_i=j_s+s-1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i} \right\} \vee \boldsymbol{s}: \left\{ j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i} \right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=j_i-s+1)}^{(\ \ )}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(j_i-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{\text{[illegible]}+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1)\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-j\text{[illegible]}\boldsymbol{l_s})!\cdot\text{[illegible]}_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D$ [illegible] $\boldsymbol{n}+1 \wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-$ [illegible] $+1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l}$ [illegible] $1 \wedge$

$2 \leq j_s \leq j_i -$ [illegible] $\wedge$

$j_s+s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{s}$[illegible]$+1=\boldsymbol{l_s} \wedge \boldsymbol{l_i}$ [illegible] $j_{sa}^{ik}-s > \boldsymbol{l_{ik}} \wedge$

$D+s-\boldsymbol{n} <$ [illegible] $\leq D+$ [illegible] $+s-\boldsymbol{n}-1 \wedge$

$D \geq \boldsymbol{n}$ [illegible] $n \wedge I=\mathbb{k} > 0 \wedge$

$j_{sa}^{ik}=j_{sa}^{i}-$ [illegible] $\wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$\boldsymbol{s}\colon\{j_{sa}$ [illegible] $,\mathbb{k},j_{sa}^{i}\} \vee \boldsymbol{s}\colon\{j_{sa}^{s},\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s}=s+\mathbb{k} \wedge$

$\mathbb{k}_z\colon z=1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}
$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\wedge$

$D+j_{sa}^{ik}-\boldsymbol{n}<\boldsymbol{l_{ik}}\leq D+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \wedge$

$\mathbb{k} : z = 1 \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = j_i - s + 1)}^{(\quad)} \sum_{j_i = \boldsymbol{l_i} + \boldsymbol{n} - D}^{\boldsymbol{l_s} + s - \boldsymbol{l}} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+$$

$$\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(j_i-s)}\sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s+s\le j_i\le \boldsymbol{n}\wedge$

$\boldsymbol{l_i}-s+1>\boldsymbol{l_s}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\le D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\big)\wedge$

$D\ge \boldsymbol{n}<n\wedge I=\Bbbk>0\wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1\wedge j_{sa}^{s}\le j_{sa}^{ik}-1\wedge$

$\boldsymbol{s}:\{j_{sa}^{s},\cdots,\Bbbk,j_{sa}^{i}\}\vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\}\wedge$

$s>2\wedge \boldsymbol{s}=s+\Bbbk\wedge$

$\Bbbk_z: z=1\Rightarrow$

$$f_2\text{[illegible]},j_i\text{[illegible]}\sum_{k\text{[illegible]}}^{\text{[illegible]}-\boldsymbol{l}+1)}\sum_{\text{[illegible]}2)}^{\text{[illegible]}-\boldsymbol{l}+1)}\sum_{\text{[illegible]}\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\text{[illegible]}}^{n}\sum_{\text{[illegible]}_{is}=\boldsymbol{n}+\Bbbk-\text{[illegible]}+1)}^{\text{[illegible]}-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_{\text{[illegible]}}\text{[illegible]})!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(\text{[illegible]}-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\text{[illegible]}\,n\wedge \boldsymbol{l}\ne {}_{i}\boldsymbol{l}\wedge \boldsymbol{l_s}\le D-\boldsymbol{n}+1\wedge$

$2\le \boldsymbol{l}\le D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\le j_s\le j_i-s+1\wedge$

$j_s+s-1\le j_i\le \boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\boldsymbol{l}\,[illegible]}^{[illegible]}\;\sum_{(j_s=\boldsymbol{l_i}\,[illegible]-s)}^{(\boldsymbol{l_{ik}}\,[illegible]\,j_{sa}^{ik}+2)}\;\sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+[illegible]}$$

$$\sum_{n_i=\boldsymbol{n}+[illegible]}^{n}\;\sum_{[illegible]_s=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{[illegible]-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_i\,[illegible]\,2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D-\boldsymbol{n}<n\land\boldsymbol{l}\neq{}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\land$

$1\leq j_s\leq j_i-s+1\land$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$2 \le \boldsymbol{l} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \le D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le D - \boldsymbol{n} + 1 \wedge$

$2 \le \boldsymbol{l} \le D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \le j_s \le j_i - s + 1 \wedge$

$j_s + s - 1 \le j_i \le \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \le D + \boldsymbol{l_s} +$ [illegible] $- \boldsymbol{n} - 1)$ [illegible]

$(D \ge \boldsymbol{n} < n \wedge \boldsymbol{l} \ne {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \le$ [illegible] $- \boldsymbol{n} + 1 \wedge$

$2 \le \boldsymbol{l} \le D + \boldsymbol{l_s} +$ [illegible] $- \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \le j_s \le j_i$ [illegible] $s + 1 \wedge$

$j_s + s - 1 \le j_i \le$ [illegible] $\wedge$

$\boldsymbol{l_i} - s$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n}$ [illegible] $\le D +$ [illegible] $+ s - \boldsymbol{n} - 1)\big) \wedge$

$D >$ [illegible] $n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} -$ [illegible] $\wedge j_{sa}^{s} \le j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{$[illegible]$, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)}\ \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n\text{[illegible]}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}n_s-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-j\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]}1)!}{(\boldsymbol{l}\text{[illegible]}j_s-\boldsymbol{l}+\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i \text{[illegible]} s + 1 \land$

$j_s + s - 1 \leq j_i \leq \text{[illegible]} \land$

$\boldsymbol{l_{ik}} - \text{[illegible]}k + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$D + s - \boldsymbol{n} \text{[illegible]} \boldsymbol{l_i} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \land$

$D \geq \text{[illegible]} n \land I = \mathbb{k} > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\text{[illegible]}, \mathbb{k}, j_{sa}^{i}\} \lor \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=j_i-s+1)}^{(\quad)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot
$$

$$
\frac{\text{[illegible]}-\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot
$$

$$
\left.\frac{(\text{[illegible]}\boldsymbol{l_i})!}{(D\text{[illegible]}-\boldsymbol{n}-\text{[illegible]}_i)!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\sum_{(j_s=2)}^{\text{[illegible]}j_i-s)}\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_s}+s-\boldsymbol{l}}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i\text{[illegible]}}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-\text{[illegible]}-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l}+1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \text{[illegible]} + 1 \leq \boldsymbol{l} \leq {}_i\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_s + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} \text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \wedge$

$D > \text{[illegible]}\, n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{\text{[illegible]}, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot $$

$$ \frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\text{[illegible]}-\mathbb{k})!}\cdot $$

$$ \frac{\text{[illegible]}n_s-1)!}{\text{[illegible]}n_s+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot $$

$$ \frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}s-2)!}\cdot $$

$$ \frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}\boldsymbol{l_s})!\cdot\text{[illegible]}i-j_s-s+1)!}\cdot $$

$$ \frac{(D-\boldsymbol{l_i})!}{(\text{[illegible]}+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} $$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq \text{[illegible]}\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i \text{[illegible]} s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \text{[illegible]} \wedge$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} \text{[illegible]} j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} \text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \wedge$

$D \text{[illegible]} n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\text{[illegible]}, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}=\left(\sum_{k=\boldsymbol{l}}\;\sum_{\left(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1\right)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\;\sum_{j_i=j_s+s-1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)+
$$

$$
\left(\sum_{k=\boldsymbol{l}}\;\sum_{(j_s=2)}^{\left(\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}\right)}\;\sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\;\sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\;\sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+
$$

$$\sum_{k=\boldsymbol{l}}\ \sum_{(j_s=\boldsymbol{l_{ik}}+\boldsymbol{n}-D-j_{sa}^{ik}+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=j_s+s}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_{\text{[illegible]}}}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1)\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s\text{[illegible]}-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{\text{[illegible]}n_s-1)!}{\text{[illegible]}+j_i-\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{\text{[illegible]}\boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s}\text{[illegible]}j_s-\boldsymbol{l}+1\text{[illegible]}j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\text{[illegible]}s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(\text{[illegible]}j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D\text{[illegible]}\boldsymbol{n}+1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i \text{[illegible]} \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{s}\text{[illegible]} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}\text{[illegible]} j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} \text{[illegible]} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \wedge$

$D \text{[illegible]} \boldsymbol{l} \text{[illegible]} n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}\text{[illegible]}, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\;)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+2}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_{sa}}-\boldsymbol{l}-1)!}{(\boldsymbol{l_{sa}}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \wedge$

$D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}+1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l}-1 \wedge$

$1 \leq j_s \leq j_i-s \wedge$

$j_s+s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s} \wedge \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i}+j_{sa}-s>\boldsymbol{l_{sa}} \wedge$

$D+s-\boldsymbol{n}\text{[illegible]}\boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1 \wedge$

$D>\text{[illegible]}n \wedge I=\Bbbk>0 \wedge$

$j_{sa}^{ik}=j_{sa}^{i}-1 \wedge j_{sa}^{s} \leq j_{sa}^{ik}-1 \wedge$

$s:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\} \vee \boldsymbol{s}:\{j_{sa}^{s},\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^{i}\} \wedge$

$s>2 \wedge \boldsymbol{s}=s+\Bbbk \wedge$

$\Bbbk_z: z=1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\mathbf{l}} \sum_{(j_s=2)}^{(\mathbf{l_{sa}}-\mathbf{l}-j_{sa}+2)} \sum_{j_i=\mathbf{l_i}+\mathbf{n}-D}^{\mathbf{l_i}-\mathbf{l}+1} $$

$$ \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\mathbf{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot $$

$$ \frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot $$

$$ \frac{(n_s-1)!}{(n_s+j_i-\mathbf{n}-1)!\cdot(\mathbf{n}-j_i)!}\cdot $$

$$ \frac{(\mathbf{l_{sa}}-\mathbf{l}-1)!}{(\mathbf{l_{sa}}+j_s-\mathbf{l}-j_{sa})!\cdot(j_{sa}-j_s-2)!}\cdot $$

$$ \frac{(\mathbf{l_i}-\mathbf{l_s}-s+1)!}{(j_s+\mathbf{l_i}-j_i-\mathbf{l_s})!\cdot(j_i-j_s-s+1)!}\cdot $$

$$ \frac{(D-\mathbf{l_i})!}{(D+j_i-\mathbf{n}-\mathbf{l_i})!\cdot(\mathbf{n}-j_i)!} $$

$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_{i}\mathbf{l} \wedge \mathbf{l_s} \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l_s} + s - \mathbf{n} - \mathbf{l_i} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l_{ik}} - j_{sa}^{ik} + 1 = \mathbf{l_s} \wedge \mathbf{l_s} + j_{sa}^{ik} - j_{sa} = \mathbf{l_{ik}} \wedge \mathbf{l_i} + j_{sa} - s > \mathbf{l_{sa}} \wedge$

$D + s - \mathbf{n} < \mathbf{l_i} \leq D + \mathbf{l_s} + s - \mathbf{n} - 1 \wedge$

$D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - \mathbb{k} \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\mathbf{s}: \left\{j_{sa}^{s}, \mathbb{k}, j_{sa}^{i}\right\} \vee \mathbf{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \mathbf{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s-1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_{sa}}-\boldsymbol{l}-j_{sa}+2)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{\text{[illegible]}}-j_s+1\text{[illegible]}}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+\text{[illegible]}\,n_s-\text{[illegible]}-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\text{[illegible]}-1)!\cdot(\boldsymbol{n}-\text{[illegible]}}\cdot$$

$$\frac{(\text{[illegible]}-\boldsymbol{l}\,\text{[illegible]}1)!}{(\boldsymbol{l}\text{[illegible]}\,j_s-\boldsymbol{l}+\text{[illegible]}s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}\,\text{[illegible]}\,s+1)!}{(j_s+\boldsymbol{l_i}-\text{[illegible]}-\boldsymbol{l_s})!\cdot\text{[illegible]}-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D\,\text{[illegible]}\,j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]} - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s}\ \text{[illegible]} - \boldsymbol{n} - \boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i\ \text{[illegible]}\ s \land$

$j_s + s \leq j_i \leq \boldsymbol{n}\ \text{[illegible]}$

$\boldsymbol{l_{ik}} - \text{[illegible]} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_s}\text{[illegible]} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n}\ \text{[illegible]}\ \boldsymbol{l_i} \leq D + \text{[illegible]} + s - \boldsymbol{n} - 1 \land$

$D \geq \text{[illegible]}\ n \land I = \mathbb{k} > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - \text{[illegible]} \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\text{[illegible]}, \mathbb{k}, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=j_i-s+1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\left. \frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(j_i-s)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!} +
$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{ik}}+s-\boldsymbol{l}-j_{sa}^{ik}+2}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-j_i-n_s-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - j_s + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} \leq \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}
$$

$$
\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot
$$

$$
\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}\cdot
$$

$$
\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot
$$

$$
\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot
$$

$$
\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot
$$

$$
\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}
$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} > \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \land$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \land \boldsymbol{l_s} \leq D-\boldsymbol{n}+1 \land$

$2 \leq \boldsymbol{l} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i} \land$

$1 \leq j_s \leq j_i-s+1 \land$

$j_s+s-1 \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i}+j_{sa}-s = \boldsymbol{l_{sa}} \land$

$D+s-\boldsymbol{n} < \boldsymbol{l_i} \leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1) \lor$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$f z \text{[illegible]} j_i = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = \text{[illegible]} s+1)}^{(\ )} \sum_{j_i = \boldsymbol{l_{sa}} + \boldsymbol{n} + s - D - j_{sa}}^{\boldsymbol{l_s} + s - \boldsymbol{l}} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk} \sum_{(n_{is} = \boldsymbol{n} + \Bbbk - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \Bbbk}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \Bbbk - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s = 2)}^{(j_i - s)} \sum_{j_i = \boldsymbol{l_{sa}} + \boldsymbol{n} + s - D - j_{sa}}^{\boldsymbol{l_s} + s - \boldsymbol{l}} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}+$$

$$\sum_{\text{[illegible]}\boldsymbol{l}}\ \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)}\ \sum_{j_i=\boldsymbol{l_s}+s-\boldsymbol{l}+1}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\mathbb{k}-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\mathbb{k})!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1 \leq \boldsymbol{l} \leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa}$ [illegible] $s = \boldsymbol{l_{sa}}$ [illegible]

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)$ [illegible]

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D$ [illegible] $+ 1 \wedge$

$D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l_i} + 1$ [illegible] $\leq {}_{i}\boldsymbol{l} - 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s$ [illegible] $j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l}$ [illegible] $- j_{sa}^{ik} + 1$ [illegible] $\wedge \boldsymbol{l_{sa}}$ [illegible] $- j_{sa}$ [illegible] $\boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

D [illegible] $- \boldsymbol{n} < \boldsymbol{l_i} \leq$ [illegible] $\boldsymbol{l_s} + s$ [illegible] $- 1)\big) \wedge$

[illegible] $\geq \boldsymbol{n}$ [illegible] $\wedge I = \Bbbk >$ [illegible]

$j_{sa}^{ik} = j_{sa}^{i} - 1$ [illegible] $- 1 \wedge$

$\boldsymbol{s}$: [illegible] $j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

[illegible] $> 2 \wedge \boldsymbol{s}$ [illegible] $s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \text{[illegible]})!}$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i - \boldsymbol{n} - 1)! \text{[illegible]} \boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} \text{[illegible]})!}{(\boldsymbol{l_s} - j_s \text{[illegible]} \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]} 2)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_s} - s \text{[illegible]} 1)!}{(j_s + \boldsymbol{l_i} \text{[illegible]} - \boldsymbol{l_s}\text{[illegible]} (j_i \text{[illegible]} - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i \text{[illegible]} \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$D \geq \boldsymbol{n} < n \land \boldsymbol{l} \neq \ _i\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$2 \leq \boldsymbol{l} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - \boldsymbol{l}$ [illegible]

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}$ [illegible] $+ 1 = \boldsymbol{l_s} \land$ [illegible] $+ j_{sa}^{ik} - j_{sa} >$ [illegible] $\boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$D + s - \boldsymbol{n} < \boldsymbol{l_i}$ [illegible] $D + \boldsymbol{l_s}$ [illegible] $s - \boldsymbol{n}$ [illegible] $\land$

$D \geq$ [illegible] $< n \land I = \mathbb{k}$ [illegible] $0 \land$

$j_{sa}^{ik} = j_{sa}^{i}$ [illegible] $1 \land j_{sa}^{s} \leq j_s^{i}$ [illegible] $- 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}$ [illegible] $, \mathbb{k}, j_{sa}^{i}\}$ [illegible] $\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s}$ [illegible] $+ \mathbb{k} \land$

[illegible]

$${}_{fz}S_{j_s,j_i} = \left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \text{[illegible]})!}$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i - \boldsymbol{n} - 1)! \text{[illegible]} \boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l}\text{[illegible]})!}{(\boldsymbol{l_s} - j_s \text{[illegible]} \boldsymbol{l} + 1)! \cdot (j_s \text{[illegible]} 2)!} \cdot$$

$$\left.\frac{(D - \text{[illegible]})!}{(D \text{[illegible]} j_i - \text{[illegible]} \boldsymbol{l}\text{[illegible]})! \text{[illegible]} - j_i)!}\right) +$$

$$\left(\sum_{k=\boldsymbol{l}} \sum_{(\text{[illegible]}2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-\text{[illegible]}a)} \sum_{j_i\text{[illegible]}\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{\text{[illegible]}n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} +$$

$$\sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa}+1)}^{(\boldsymbol{l_{ik}}-\boldsymbol{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\ \sum_{(n_{is}=\boldsymbol{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\ \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i-n_{is}-1)!}{(j_s-2)!\cdot(n_i-n_{is}-j_s+1)!}\cdot$$

$$\frac{(n_{is}-n_s-\Bbbk-1)!}{(j_i-j_s-1)!\cdot(n_{is}+j_s-n_s-j_i-\Bbbk)!}$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s+1)!}\cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1=\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}>\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1\leq j_s\leq j_i-s+1\wedge$

$j_s+s-1\leq j_i\leq\boldsymbol{n}\wedge$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+1>\boldsymbol{l_s}\wedge\boldsymbol{l_{sa}}+j_{sa}^{ik}-j_{sa}=\boldsymbol{l_{ik}}\wedge\boldsymbol{l_i}+j_{sa}-s=\boldsymbol{l_{sa}}\wedge$

$D+s-\boldsymbol{n}<\boldsymbol{l_i}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-1)\vee$

$(D\geq\boldsymbol{n}<n\wedge\boldsymbol{l}\neq\ {}_{i}\boldsymbol{l}\wedge\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\wedge$

$2\leq\boldsymbol{l}\leq D+\boldsymbol{l_s}+s-\boldsymbol{n}-\boldsymbol{l_i}\wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i}\left(\sum_{[illegible]\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_{sa}}[illegible]-D-j_{sa}+1)}^{[illegible]+1)} \sum_{j_i=j_s+s-1}^{[illegible]} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{([illegible]=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s[illegible]} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$
\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot
$$

$$
\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{[illegible]j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right) +
$$

$$
\left(\sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_{sa}}+\boldsymbol{n}-D-j_{sa})} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-\boldsymbol{l}-j_{sa}+1} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}}
$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \text{[illegible]}} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)\text{[illegible]}(j_s - 2)!}$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \text{[illegible]})! \cdot (j_i - \text{[illegible]} + 1)!} \cdot$$

$$\frac{(\text{[illegible]} - \boldsymbol{l_i})!}{\text{[illegible]} j_i - \boldsymbol{n} - \text{[illegible]}! \cdot (\boldsymbol{n} - j_i)!}$$

$$\sum_{k=\boldsymbol{l}} \; \sum_{(j_s \text{[illegible]} + \boldsymbol{n} - D - j \text{[illegible]} 1)}^{\text{[illegible]} \boldsymbol{l} - 1)} \; \sum_{j_i = j_s + s}^{\text{[illegible]} - j_{sa} + 1}$$

$$\sum_{\text{[illegible]} = \boldsymbol{n} + \text{[illegible]}}^{n} \; \sum_{\text{[illegible]}_s = \boldsymbol{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \; \sum_{n_s = \boldsymbol{n} - j_i + 1}^{n_{is} + j_s - j_i - \mathbb{k}}$$

$$\frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa})$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)\text{[illegible]}+1} \sum_{\text{[illegible]}2)}^{\text{[illegible]}} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D\text{[illegible]}}^{\text{[illegible]}}$$

$$\sum_{\text{[illegible]}\boldsymbol{n}+\Bbbk}^{\boldsymbol{n}\text{[illegible]}} \sum_{(n_{is}=\text{[illegible]}\Bbbk-j_s+1)}^{(\text{[illegible]}+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{\text{[illegible]}+j_s-j_i-\Bbbk}$$

$$\frac{(n_i - \text{[illegible]}_{is} - 1)!}{(j_s - \text{[illegible]}! \cdot (n_i - n_{is} - j_s + 1)!} \cdot$$

$$\frac{(n\text{[illegible]} n_s - \Bbbk - 1)!}{\text{[illegible]}_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \Bbbk)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}$$

$\Big((D \geq \boldsymbol{n} < \text{[illegible]} \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} \neq {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} - 1 \land$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \lor \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \land$

$s > 2 \land \boldsymbol{s} = s + \mathbb{k} \land$

$\mathbb{k}_z: z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k=\boldsymbol{l}} \sum_{(j_s=2)}^{(\boldsymbol{l_i}+\boldsymbol{n}-D-s)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_s} - \boldsymbol{l} - 1)!}{(\boldsymbol{l_s} - j_s - \boldsymbol{l} + 1)! \cdot (j_s - 2)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(j_s + \boldsymbol{l_i} - j_i - \boldsymbol{l_s})! \cdot (j_i - j_s - s + 1)!} \cdot $$

$$ \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} + $$

$$ \sum_{k=\boldsymbol{l}} \sum_{(j_s=\boldsymbol{l_i}+\boldsymbol{n}-D-s+1)}^{(\boldsymbol{l_s}-\boldsymbol{l}+1)} \sum_{j_i=j_s+s}^{\boldsymbol{l_i}-\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_{is}=\boldsymbol{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_s=\boldsymbol{n}-j_i+1}^{n_{is}+j_s-j_i-\mathbb{k}} $$

$$ \frac{(n_i - n_{is} - 1)!}{(j_s - 2)! \cdot (n_i - n_{is} - j_s + 1)!} \cdot $$

$$ \frac{(n_{is} - n_s - \mathbb{k} - 1)!}{(j_i - j_s - 1)! \cdot (n_{is} + j_s - n_s - j_i - \mathbb{k})!} \cdot $$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_s}-\boldsymbol{l}-1)!}{(\boldsymbol{l_s}-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(j_s+\boldsymbol{l_i}-j_i-\boldsymbol{l_s})!\cdot(j_i-j_s-s\ \text{[illegible]}}\cdot$$

$$\frac{(D-\boldsymbol{l}\text{[illegible]})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i}\text{[illegible]}(\boldsymbol{n}-j_i)\text{[illegible]}}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j^{ik}\text{[illegible]}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k={}_{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=s}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i-n_s-\Bbbk-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i-\Bbbk+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} \leq D + j_{sa}^{ik} - \boldsymbol{n}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s,j_i} = \sum_{k={}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s}^{\boldsymbol{l_i}-{}_i\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1\text{[illegible]}}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i - n_s - \Bbbk - \text{[illegible]})!}{(j_i - 2)! \cdot (n_i - n_s - j_i \text{[illegible]} \Bbbk + 1)!} \cdot$$

$$\frac{(n_s - 1\text{[illegible]}}{(n_s + j_i \text{[illegible]} - 1)! \cdot (\boldsymbol{n} \text{[illegible]})!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} \text{[illegible]} s + 1)!}{\text{[illegible]} - j_i \text{[illegible]} (j_i - s)!} \cdot$$

$$\frac{(D - \boldsymbol{l_i})!}{(D + s \text{[illegible]} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}$$

$\Big((D \geq \boldsymbol{n} < n \land \boldsymbol{l} = {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \text{[illegible]} \boldsymbol{l_i} + j_{sa}^{ik} - s > \text{[illegible]} \land$

$\boldsymbol{l}\text{[illegible]} \leq D + s \text{[illegible]}) \lor$

$(D \text{[illegible]} \boldsymbol{n} < n \land \boldsymbol{l} = \text{[illegible]} \boldsymbol{l} \land \boldsymbol{l_s} \leq \text{[illegible]} + 1 \land$

$1 \leq j_s \text{[illegible]} j_i - s \land$

$j_s + s \leq j_i \text{[illegible]} \land$

$\boldsymbol{l}\text{[illegible]} j_{sa} \text{[illegible]} 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_{ik}} \leq D + \text{[illegible]} - \boldsymbol{n}\big) \lor$

$(\text{[illegible]} < n \land \boldsymbol{l} = {}_i\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \land$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_i} \leq D + s - \boldsymbol{n} \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l_i} \leq D + s - \boldsymbol{n})\big) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z\colon z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s} \right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}
$$

$$
\frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\left. \frac{(D - \boldsymbol{l_i})!}{(D + s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!} \right) +
$$

$$
\left(\sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=s+1}^{\boldsymbol{l_i}-{}_{i}\boldsymbol{l}+1} \right.
$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!}$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!}$$

$$\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{ik}} + s - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa} - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \land \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \land \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \land$

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \lor$

$(D \geq \boldsymbol{n} < n \land \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \land \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \land$

$1 \leq j_s \leq j_i - s + 1 \land$

$j_s + s \leq j_i \leq \boldsymbol{n} \land$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \land$

$\boldsymbol{l_i} > D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \land$

$D \geq \boldsymbol{n} < n \land I = \Bbbk > 0 \land$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \land j_{sa}^{s} \leq j_{sa}^{ik} -$ [illegible] $\land$

$\boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \lor \boldsymbol{s}\colon \left\{j_{sa}^{s}, \cdots,\right.$ [illegible] $\left.\Bbbk, j_{sa}^{i}\right\} \land$

$s > 2 \land \boldsymbol{s} = s +$ [illegible]

$\Bbbk$ [illegible] $z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k={}_{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-{}_{\boldsymbol{i}}\boldsymbol{l}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)} $$

$$ \frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$j\,C_{\text{[illegible]},j_i} = \sum_{k\text{[illegible]}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\ {}_{\boldsymbol{i}}\boldsymbol{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i-n_s-\Bbbk-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i-\Bbbk+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}\cdot$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s+1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\cdot(j_i-s)!}\cdot$$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \vee)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + 1 \wedge$

$\Bbbk \cdot z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \sum_{k={}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-{}_{i}\boldsymbol{l}-j_{sa}+1} $$

$$ \sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)} $$

$$ \frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot $$

$$ \frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot $$

$$ \frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot $$

$$\frac{(D-\boldsymbol{l_i})!}{(D+j_i-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + j_{sa}^{ik} - \boldsymbol{n} < \boldsymbol{l_{ik}} \leq D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s > \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i}$ [illegible] $1 > \boldsymbol{l_s} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1)\big) \wedge$

[illegible] $n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, \mathbb{k}, j_{sa}^{i}\} \vee \boldsymbol{s}\colon \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{i}\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \mathbb{k} \wedge$

$\Bbbk_z : z = 1 \Rightarrow$

$$ {}_{fz}S_{j_s,j_i} = \left(\sum_{k= {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=s} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+\text{[illegible]}}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i - n_s - \Bbbk - \text{[illegible]})!}{(j_i-2)! \cdot (n_i - n_s - j_i \text{ [illegible] } \Bbbk + 1)!}$$

$$\frac{(n_s - \text{[illegible]}}{(n_s + j_i \text{ [illegible] } \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} \text{ [illegible] })!} \cdot$$

$$\left. \frac{(D - \text{[illegible]}!}{(D \text{ [illegible] } s - \text{[illegible] } \boldsymbol{l})! \text{ [illegible] } \boldsymbol{n} - s)!} \right) +$$

$$\left(\sum_{k= {}_{i}\boldsymbol{l}} \sum_{(j_s=1)}^{(\ \ )} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}- {}_{i}\boldsymbol{l}+1} \right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}$$

$$\frac{(n_i - n_s - \Bbbk - 1)!}{(j_i-2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot$$

$$\left. \frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!} \right)$$

$D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{i}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_i} + j_{sa}^{ik} - s = \boldsymbol{l_{ik}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1 \wedge$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_{sa}^{s} \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\right\} \vee \boldsymbol{s}: \left\{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\right\} \wedge$

$s > 2 \wedge \boldsymbol{s} = s + \Bbbk \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$$
{}_{fz}S_{j_s,j_i} = \left(\sum_{k=\,{}_i\boldsymbol{l}} \sum_{(j_s\text{[illegible]})}^{(\ )} \sum_{j_i=s}\right.
$$

$$
\sum_{n_i=\text{[illegible]}\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i\text{[illegible]}+1)}
$$

$$
\frac{\text{[illegible]}_i - n_s\text{[illegible]})!}{\text{[illegible]} - 2)! \cdot \text{[illegible]} - n_s - j_i\text{[illegible]}\Bbbk + 1)!} \cdot
$$

$$
\frac{\text{[illegible]} - 1)!}{(n_s\text{[illegible]}j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\left.\frac{(D - \boldsymbol{l_i})!}{\text{[illegible]}s - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - s)!}\right) +
$$

$$
\left(\sum_{k=\,{}_i\boldsymbol{l}} \sum_{(j_s=1)}^{(\ )} \sum_{j_i=\boldsymbol{l_{ik}}+\boldsymbol{n}+s-D-j_{sa}^{ik}}^{\boldsymbol{l_{ik}}+s-\,{}_i\boldsymbol{l}-j_{sa}^{ik}+1}\right.
$$

$$
\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk+1)}
$$

$$
\frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot
$$

$$
\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot
$$

$$
\frac{(\boldsymbol{l_i} - \boldsymbol{l_s} - s + 1)!}{(\boldsymbol{l_i} - j_i - \boldsymbol{l_s} + 1)! \cdot (j_i - s)!} \cdot
$$

$$
\left.\frac{(D - \boldsymbol{l_i})!}{(D + j_i - \boldsymbol{n} - \boldsymbol{l_i})! \cdot (\boldsymbol{n} - j_i)!}\right)
$$

$\Big((D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \,{}_i\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = {}_{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$D + s - \boldsymbol{n} < \boldsymbol{l_i} \leq D + \boldsymbol{l_s} + s - \boldsymbol{n} - 1))$

$D \geq \boldsymbol{n} < n \wedge I = \Bbbk > 0 \wedge$

$j_{sa}^{ik} = j_{sa}^{i} - 1 \wedge j_s \leq j_{sa}^{ik} - 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j_{sa}^{i}\} \vee \boldsymbol{s}: \{j_{sa}^{s}, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\}$

$s > 2 \wedge \boldsymbol{s} = s + 1 \wedge$

$\Bbbk_z: z = 1 \Rightarrow$

$${}_{fz}S_{j_s, j_i} = \left(\sum_{k = {}_{\boldsymbol{i}}\boldsymbol{l}} \sum_{(j_s = 1)}^{(\ )} \sum_{j_i = s} \right.$$

$$\sum_{n_i = \boldsymbol{n} + \Bbbk}^{n} \sum_{(n_s = \boldsymbol{n} - j_i + 1)}^{(n_i - j_i - \Bbbk + 1)}$$

$$\frac{(n_i - n_s - \Bbbk - 1)!}{(j_i - 2)! \cdot (n_i - n_s - j_i - \Bbbk + 1)!} \cdot$$

$$\frac{(n_s - 1)!}{(n_s + j_i - \boldsymbol{n} - 1)! \cdot (\boldsymbol{n} - j_i)!} \cdot$$

$$\left.\frac{(D-\boldsymbol{l_i})!}{(D+s-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-s)!}\right)+$$

$$\left(\sum_{k={}_{i}\boldsymbol{l}}\sum_{(j_s=1)}^{(\ )}\sum_{j_i=\boldsymbol{l_{sa}}+\boldsymbol{n}+s-D-j_{sa}}^{\boldsymbol{l_{sa}}+s-{}_{i}\boldsymbol{l}-j_{sa}+1}\right.$$

$$\sum_{n_i=\boldsymbol{n}+\Bbbk}^{n}\sum_{(\text{[illegible]}=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\Bbbk\text{[illegible]})}$$

$$\frac{(n_i-\text{[illegible]}\Bbbk-1\text{[illegible]}}{(j_i-2)!\cdot(\text{[illegible]}-n_s\text{[illegible]}+1)!}\cdot$$

$$\frac{\text{[illegible]}-1)!}{\text{[illegible]}+j_i-\boldsymbol{n}\text{[illegible]}1)!\cdot(\boldsymbol{n}-j_i\text{[illegible]}}\cdot$$

$$\frac{(\boldsymbol{l_i}-\text{[illegible]}1)!}{(\boldsymbol{l_i}\text{[illegible]}-\boldsymbol{l_s}+1)!\text{[illegible]}(j_i-s)!}\cdot$$

$$\left.\frac{(\text{[illegible]}-\boldsymbol{l_i})!}{(D\text{[illegible]}-\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}-j_i)!}\right)$$

$\Big((D\geq\boldsymbol{n}<n\land\boldsymbol{l}={}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\text{[illegible]}D-\boldsymbol{n}+\text{[illegible]}\land$

$1\leq j_s\leq j_i-s\land$

$j_s+s\leq j_i\leq\boldsymbol{n}\text{[illegible]}$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}=\boldsymbol{l_s}\land\boldsymbol{l_i}\text{[illegible]}j_{sa}^{ik}-s>\boldsymbol{l_{ik}}\text{[illegible]}$

$\boldsymbol{l_i}>D+\boldsymbol{l_{ik}}+s\text{[illegible]}\boldsymbol{n}-j_{sa}^{ik})\text{[illegible]}$

$(D\geq\text{[illegible]}n\land\boldsymbol{l}={}_{i}\boldsymbol{l}\text{[illegible]}_s\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i\text{[illegible]}\land$

$j_s\text{[illegible]}\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}}-j_{sa}^{ik}+\text{[illegible]}>\boldsymbol{l_s}\land\boldsymbol{l_i}+j_{sa}^{ik}-s=\boldsymbol{l_{ik}}\land$

$\boldsymbol{l_{ik}}\text{[illegible]}+\boldsymbol{l_s}+j_{sa}^{ik}-\boldsymbol{n}-1\big)\lor$

$(D\geq\boldsymbol{n}<n\land\boldsymbol{l}={}_{i}\boldsymbol{l}\land\boldsymbol{l_s}\leq D-\boldsymbol{n}+1\land$

$1\leq j_s\leq j_i-s\land$

$j_s+s\leq j_i\leq\boldsymbol{n}\land$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} > \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s = \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_{sa}} > D + \boldsymbol{l_{ik}} + j_{sa} - \boldsymbol{n} - j_{sa}^{ik}\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 = \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa} = \boldsymbol{l_{ik}} \wedge \boldsymbol{l_i} + j_{sa} - s > \boldsymbol{l_{sa}} \wedge$

$\boldsymbol{l_i} > D + \boldsymbol{l_{sa}} + s - \boldsymbol{n} - j_{sa}) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_{ik}} - j_{sa}^{ik} + 1 > \boldsymbol{l_s} \wedge \boldsymbol{l_{sa}} + j_{sa}^{ik} - j_{sa}$ [illegible] $_{\boldsymbol{ik}} \wedge \boldsymbol{l_i} + j_{s}$[illegible] $- s = \boldsymbol{l_s}$[illegible]

$\boldsymbol{l_{ik}} > D + \boldsymbol{l_s} + j_{sa}^{ik} - \boldsymbol{n} - 1\big) \vee$

$(D \geq \boldsymbol{n} < n \wedge \boldsymbol{l} = \ _{\boldsymbol{i}}\boldsymbol{l} \wedge \boldsymbol{l_s} \leq D - \boldsymbol{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s \wedge$

$j_s + s \leq j_i \leq \boldsymbol{n} \wedge$

$\boldsymbol{l_i} - s + 1 > \boldsymbol{l_s} \wedge$

$\boldsymbol{l}$ [illegible] $> D + \boldsymbol{l_s}$ [illegible] $s - \boldsymbol{n} -$ [illegible] $) \wedge$

$D \geq \boldsymbol{n} < n \wedge I =$ [illegible] $> 0 \wedge$

$j_{sa}^{ik} = j_s$ [illegible] $- 1 \wedge j_{sa}^{s} \leq j_s$ [illegible] $- 1 \wedge$

$\boldsymbol{s}: \{j_{sa}^{s}, \cdots, \Bbbk, j$ [illegible] $\} \vee \boldsymbol{s}: \{$ [illegible] $a, \cdots, j_{sa}^{ik}, \Bbbk, j_{sa}^{i}\} \wedge$

s [illegible] $2 \wedge$ [illegible] $= s + \Bbbk \wedge$

$\Bbbk_z: z = 1$ [illegible]

$$_{fz}S_{j_s,j_i} = \sum_{k=\ _{\boldsymbol{i}}\boldsymbol{l}}^{} \sum_{(j_s=1)}^{(\quad)} \sum_{j_i=\boldsymbol{l_i}+\boldsymbol{n}-D}^{\boldsymbol{l_i}-\ _{\boldsymbol{i}}\boldsymbol{l}+1}$$

$$\sum_{n_i=\boldsymbol{n}+\mathbb{k}}^{n} \sum_{(n_s=\boldsymbol{n}-j_i+1)}^{(n_i-j_i-\mathbb{k}+1)}$$

$$\frac{(n_i-n_s-\mathbb{k}-1)!}{(j_i-2)!\cdot(n_i-n_s-j_i-\mathbb{k}+1)!}\cdot$$

$$\frac{(n_s-1)!}{(n_s+j_i-\boldsymbol{n}-1)!\cdot(\boldsymbol{n}-j_i)!}$$

$$\frac{(\boldsymbol{l_i}-\boldsymbol{l_s}-s\,\text{[illegible]}\,1)!}{(\boldsymbol{l_i}-j_i-\boldsymbol{l_s}+1)!\,\text{[illegible]}\,(j_i-s)!}$$

$$\frac{(D\,\text{[illegible]})!}{(D+j_i\,\text{[illegible]}\,\boldsymbol{n}-\boldsymbol{l_i})!\cdot(\boldsymbol{n}\,\text{[illegible]}\,j_i)!}$$

DİZİN

tek kalan simetrik olasılık, 2.3.3.1.2.1.2.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.1.2.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.1.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.1.3.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.1.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.1.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.2.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.2.1.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.2.1[illegible]/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3[illegible]2.2.2.1/[illegible]

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.2[illegible]1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3[illegible]2.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3[illegible].2.2.3.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.2.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.2.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.4.1.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.4.1.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.4.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.4.2.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.4[illegible]1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.4.2[illegible]4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1[illegible]4.3.1/4

tek kalan düzgün simetrik olasılık, 2[illegible].3.2.2.4.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.4.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.6.1.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.6.1.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.6.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.2.6.2.1/4

tek kalan düzgün simetrik olasılık, 2.3.3.2.2.6.2.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.6.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.4.1.1.1/4
tek kalan düzgün simetrik olasılık, 2.3.3.2.4.1.1.1/3-4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.4.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı
tek kalan simetrik olasılık, 2.3.3.1.4.1.2.1/4
tek kalan düzgün simetrik olasılık, 2.3.3.2.4.1.2.1/3-4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.4.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin herhangi iki durumuna bağlı
tek kalan simetrik olasılık, 2.3.3.1.4.1.3.1/4
tek kalan düzgün simetrik olasılık, 2.3.3.2.4.1.3.1/3-4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.4.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin bir durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.4.1.1.1/839-840

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin bir durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.4.1.2.1/839-840

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.4.1.3.1/839-840

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.1.1.1/5
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.1.1.1/4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.5.1.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.1.2.1/5
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.1.2.1/4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.5.1.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.1.3.1/5
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.1.3.1/4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.5.1.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.2.1.1/6
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.2.1.1/3-4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.5.2.1.1/10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.2.2.1/6
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.2.2.1/3-4
tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.5.2.2.1/10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre
tek kalan simetrik olasılık, 2.3.3.1.5.2.3.1/5
tek kalan düzgün simetrik olasılık, 2.3.3.2.5.2.3.1/3-4

tek kalan simetrik olasılık, 2.3.3.1.6.2.2.1/6

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.2.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.2.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.2.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.2.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.2.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.4.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.4.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.4.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.4.2.1/[illegible]

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.4.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.4.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.4.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.4.3.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.4.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.6.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.6.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.6.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.6.2.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.6.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.6.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.6.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.6.3.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.6.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.7.1.1/6

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.7.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.7.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.7.2.1/6

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.7.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.7.2.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.9.6.2.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.9.6.2.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.9.6.3.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.9.6.3.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.9.7.1.1/11

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.9.7.1.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.9.7.2.1/11

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.9.7.2.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.9.7.3.1/11

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.9.7.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.1.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.1.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.1.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.1.2.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.1.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.1.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.1.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.1.3.1/[illegible]

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.1.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.2.1.1/7

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.2.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.2.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.2.2.1/7

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.2.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.2.2.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.2.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.2.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.1.1.1/10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.1.2.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.1.2.1/10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.1.3.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.1.3.1/10

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

tek kalan simetrik olasılık, 2.3.3.1.10.2.1.1/15-16

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.2.1.1/16

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

tek kalan simetrik olasılık, 2.3.3.1.10.2.2.1/15-16

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.2.2.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.2.3.1/9-10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.2.3.1/10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.4.1.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.4.1.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.4.2.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.4.2.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.4.3.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.4.3.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.6.1.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.6.1.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.6.2.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.6.2.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.6.3.1/9

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.4.2.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.4.3.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.4.3.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.6.1.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.6.1.1/17-18

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.6.2.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.6.2.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.6.3.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.6.3.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.7.1.1/17

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.7.1.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.7.2.1/17

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.7.2.1/17-18

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

tek kalan simetrik olasılık, 2.3.3.1.11.7.3.1/1[illegible]

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.7.3.1/10-11

VDOİHİ’de Olasılık ve İhtimal konularının tanım ve eşitlikleri verilmektedir. Ayrıca VDOİHİ’de olasılık ve ihtimalin uygulama alanlarına da yer verilmektedir. VDOİHİ konu anlatım ciltleri ve soru, problem ve ispat çözümlerinden oluşmaktadır. Bu cilt bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz olasılık dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu hariç dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık kitabında, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu hariç dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılığın, tanım ve eşitlikleri verilmektedir.

VDOİHİ’nin diğer ciltlerinde olduğu gibi bu ciltte de verilen ana eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer eşitlikler ise ana eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde hiç kaynak kullanılmamıştır.