

# VDOİHİ

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

Cilt 2.3.3.2.2.1.1.1

İsmail YILMAZ

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**VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık  
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*İsmail YILMAZ*

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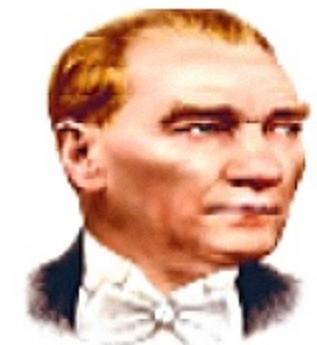
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*1. Bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık*

*Dili: Türkçe + Matematik Mantık*



Türkiye Cumhuriyeti Devleti  
Kuruluşunun  
100.Yılı Anısına



*M. Atatürk*

## 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 deklaratif bilgi yapılarıyla birlikte matematik mantık yapıları üzerine çalışmalar yapmıştır. Yazarın farklı alanlarda yapmış olduğu çalışmaları arasında ölçme ve değerlendirmeye yönelik çalışmaları da mevcuttur.

## VDOİHİ

**Veri Değişkenleri Olasılık ve İhtimal Hesaplama İstatistiği (VDOİHİ)** ile olasılık ve ihtimal yasa konumuna getirilmiştir.

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

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**GÜLDÜNYA**

## Simge ve Kısalmalar

**n:** olay sayısı

**n:** bağımlı olay sayısı

**m:** bağımsız olay sayısı

**t:** bağımsız durum sayısı

**I:** simetrinin bağımsız durum sayısı

**l:** simetrinin bağımlı durumlarından önce bulunan bağımsız durum sayısı

**I:** simetrinin bağımlı durumlarından sonra bulunan bağımsız durum sayısı

**k:** simetrinin bağımlı durumları arasındaki bağımsız durumların sayısı

**k:** dağılımin başladığı bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

**l:** ilgilenilen bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

**i<sub>l</sub>:** simetrinin ilk bağımlı durumunun, bağımlı olasılık farklı dizilimsiz dağılımin son olayı için sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

**l<sub>i</sub>:** simetrinin son bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin birinci bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

**l<sub>s</sub>:** simetrinin ilk bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz

dağılımlardaki sırası. Simetrinin sonuncu bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

**l<sub>ik</sub>:** simetrinin aranacağı durumdan önce bulunan bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası veya simetrinin iki bağımlı durumu arasında bağımsız durum bulunduğuanda, bağımsız durumdan önceki bağımlı durumun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası

**l<sub>sa</sub>:** simetrinin aranacağı bağımlı durumunun, bağımlı olasılıklı farklı dizilimsiz dağılımlardaki sırası. Simetrinin aranacağı bağımlı olayındaki durumun, bağımlı olasılık farklı dizilimsiz dağılımlardaki sırası

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

**j<sub>i</sub>:** simetrinin son bağımlı durumunun, bağımlı olasılıklı dağılımlarda bulunabileceği olayların, son olaydan itibaren sırası

**j<sub>sa</sub><sup>i</sup>:** simetriyi oluşturan bağımlı durumlar arasında simetrinin son bağımlı durumunun bulunduğu olayın, simetrinin son olayından itibaren sırası ( $j_{sa}^i = s$ )

**j<sub>ik</sub>:** simetrinin ikinci olayındaki durumun, gelebileceği olasılık dağılımlardındaki 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 bulunduğuanda 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 bulunabilecegi olayın sırası

$j_s$ : simetrinin ilk bağımlı durumunun, bağımlı olasılıklı dağılımlarda bulunabilecegi 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

$s$ : 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

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

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

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

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

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

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

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

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

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$f_z S_{j,s,j_i}^{DST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan simetrik olasılık

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

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$f_z S_{j_s,j_i,0}^{DST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı

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

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

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

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

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

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

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$f_{z,0} S_{j_s, j^{sa}, D}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

$f_z S_{j_{ik}, j^{sa}}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı tek kalan düzgün simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, 0}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı tek kalan düzgün simetrik olasılık

$f_z S_{j_{ik}, j^{sa}, D}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu

bağımlı simetrinin herhangi iki durumuna bağlı tek kalan düzgün simetrik olasılık

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

$f_z S_{j_s, j_{ik}, j^{sa}, 0}^{DSST}$ : 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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$fzS_{j_s,j_{ik},j_i}^{DSST}$ : 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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${}^0S_{j_s,j_{ik},j_i}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve son durumunun

bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

${}^0fzS_{j_s,j_{ik},j_i,0}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

${}^0fzS_{j_s,j_{ik},j_i,D}^{DSST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

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durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık

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

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

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

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

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

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

${}^0S_{j_i}^{DOST}$ : 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

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

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

simetrinin durumuna bağlı tek kalan düzgün olmayan simetrik olasılık

$f_z S_{j_s,0}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı tek kalan düzgün olmayan simetrik olasılık

$f_z S_{j_s,D}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı tek kalan düzgün olmayan simetrik olasılık

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durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s,j_i,D}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

${}^0 f_z S_{j_s,j_i}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

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${}^0 f_z S_{j_s,j_i,D}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımlı simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_s}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

$f_z S_{j_s,j_s,0}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

$f_{z,j} S_{j_s,j^{sa},D}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_s,j^{sa}}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi bir durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

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$f_z S_{j_{ik},j^{sa}}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin herhangi iki durumuna bağlı tek kalan düzgün olmayan simetrik olasılık

$f_{z,0} S_{j_{ik},j^{sa},0}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin herhangi iki durumuna bağlı tek kalan düzgün olmayan simetrik olasılık

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bağlı tek kalan düzgün olmayan simetrik olasılık

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$f_{z,0} S_{j_{ik},j^{sa},D}^{DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

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$fzS_{j_s,j_{ik},j_i}^{0DOST}$ : bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız veya bağımlı-bağımsız veya bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre tek kalan düzgün olmayan simetrik olasılık

bağımsız-bağımsız durumlu simetrinin ilk herhangi bir ve 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**

bu yüze sıralanma sırasıyla elde edilebilen kurallı tablolar kullanılmaktadır. Farklı dizilimsiz dağılımlarda durumların küçükteden büyüğe sıralama için verilen eşitliklerde kullanılan durum sayılarının düzenlenmesiyle, büyükten-küçüğe sıralama durumlarının eşitlikleri elde edilebilir.

Farklı dizilimsiz dağılımlar, dağılımin ilk durumuyla başlayan (bunun yerine farklı dizilimsiz dağılımlarda simetrinin ilk durumuyla başlayan dağılımlar), dağılımin ilk durumu hâncinde eşitimin herhangi bir durumuyla başlayan dağılımlar (bunun yerine farklı dizilimsiz simetride bulunmayan bir durumla başlayan dağılımlar) ve dağılımin ilk durumu ikinci olmakta dağılıminin başladığı farklı ikinci durumla başlayıp simetrinin ilk durumuyla başlayan dağılımların sonuna kadar olan dağılımlarda (bunun yerine farklı dizilimsiz 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.

## BAĞIMLI ve BİR BAĞIMSIZ OLASILIKLI FARKLI DİZİLİMSİZ DAĞILIMLAR

Bağımlı dağılım ve bir bağımsız olasılıklı durumla oluşturulabilecek dağılımlara ve bağımlı olasılıklı dağılımların kesişti olay sağlıdan (bağımlı olay sağısı) veya yük olay sağa (bağımlı olay sağısı) dağılımla bağımlı ve bir bağımsız olasılık dağılımlar elde edilir. Bağımlı dağılım farklı dizilimsiz dağılımlıda kullanıldığında, bu dağılımlara bağımlı ve bir bağımsız olasılık farklı dizilimsiz dağılımlar denir. Bağımlı ve bir bağımsız olasılıklı dağılımlar; bağımlı dağılımlara, bağımsız durumlar ilk sağdan dağıtılmaya başlanarak tabloları elde edilir. Bu bölümde verilen eşitlikler, bu yöntemle elde edilen kurallı tablolara göre verilmektedir. Farklı dizilimsiz dağılımlarda durumların küçükten-büyüğe sıralama sırasıyla elde edilebilen kurallı tablolar kullanılmaktadır. Farklı dizilimsiz dağılımlarda durumların küçükteden büyüğe sıralama için verilen eşitliklerde kullanılan durum sayılarının düzenlenmesiyle, büyükten-küçüğe sıralama durumlarının eşitlikleri elde edilebilir.

Bağımlı dağılımlar; a) olasılık dağılımlardaki simetrik, (toplamlı) düzgün simetrik ve (toplamlı) 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 durumlariyla başlayan dağılımlara göre de tanım eşitlikleri verilmektedir.

Farklı dizilimsiz dağılımlarda simetrinin durumlarının olasılık dağılımındaki sıralama 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 oylara göre simetri olasılık eşitlikleri, simetrinin durumlarının olasılık dağılımındaki sıralamalarına göre ayrı ayrı verilecektir. Bu eşitliklerin elde edilmesinde bağımlı olasılıklı farklı dizilimsiz dağılımlarda simetrinin durumlarının bulunabileceği oylara göre çıkarılan eşitlikler kullanılmaktır. Bu eşitlikler, bir bağımlı ve bir bağımsız olasılıklı dağılımlar için VDC Üçgeni'nden çıkarılan eşitliklerle birleştirilerek, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlarda yeni eşitlikleri elde edilecektir. Eşitlikleri adlandırıldığında bağımlı olasılıklı farklı dizilimsiz dağılımlarda kullanılan adlandırmalar kullanılacaktır. İlgili adların başına simetrinin bağımlı ve bağımsız durumlarına göre ve dağılımının bağımsız veya bağımlı durumla başlamasına göre “Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı/bağımsız-bağımlı/bağımlı-bir bağımsız/bağımlı-bağımsız/bağımsız-bağımsız” kelimeleri getirilerek, simetrinin bağımlı durumlarının bulunabileceği oylara göre bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz adları elde edilecektir. Simetriden seçilen durumların bulunabileceği oylara göre simetrik, düzgün simetrik veya düzgün olmayan simetrik olasılık için birden fazla farklı kullanılması durumunda gerekmedikçe yeni tanımlama yapılmayacaktır.

Simetriden seçilen durumların bağımlı olasılık farklı dizilimsiz dağılımlardaki sırasına göre verilen eşitliklerdeki toplam sayıda sınır değerleri, simetrinin küçükten-büyük'e sıralanan dağılımlara göre verildiği gibi 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 düzenlenerken büyükten-küçüğe sıralanan dağılımlar için de simetrik olasılık eşitlikleri elde edilecektir.

Bu nedenle bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayan ilk bağımlı durumu bağımlı olasılıklı dağılımın ilk bağımlı durumu olasılıklı dağılımın başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımın aynı ilk bağımlı durumıyla başlayan dağılımlarda, simetrinin ilk ve son durumunun bulunabileceği oylara göre tek kalan düzgün simetrik olasılığın eşitlikleri verilmektedir.

## ***SİMETRİDEN SEÇİLEN İKİ DURUMA GÖRE TEK KALAN DÜZGÜN SİMETRİK OLASILIK***

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımin ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımların aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği oylara göre, düzgün simetrik durumların bulunduğu dağılımların sayısını verecek eşitlik; simetrinin ilk ve son durumunun bulunabileceği oylara göre bağımlı olasılıklı farklı dizilimsiz tek kalan simetrik bitişik olasılık eşitliğiyle, bir bağımlı ve bir bağımsız olasılıklı dağılımlı bağımlı durumlu simetrinin iki durumuna göre simetrik olasılık eşitliğini birleşiminde elde edilecektir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımlı ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımin aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği oylara göre, tek kalan düzgün simetrik olasılıklar için,

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_s+j_i=n-D}^{l_s+s-l} \sum_{n_i=n+k}^n \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k)}^{\infty} \frac{(n_i - s - l)!}{(n_i - n - l)! \cdot (n - s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

eşitliği elde edilir. Bu eşitlige bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği oylara göre tek kalan düzgün simetrik olasılık eşitliği denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımin ilk bağımlı durumu hariç simetrinin bulunabileceği bir bağımlı durum olan ve

bağımsız olasılıklı durumla başlayan dağılımin aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetri bağımlı durumla başlayıp bağımlı durumla bittiğinde, simetrinin ilk ve son durumunun bulunabileceği olaylara bağlı; düzgün simetrik durumların bulunduğu dağılımların sayısına **bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık** denir. Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık  $f_{zS_{j_s, j_i}^{DSST}}$  ile gösterilecektir.

$$((l > D + l_s + s - n - l_i) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_i > D + l_{ik} + s - n - j_{sa}^{ik}) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_i > D + l_s - j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n +$$

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_i > D + l_{sa} + s - n - j_{sa}) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1) \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1)$$

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

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

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

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

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

$$_{fz}S_{j_s, j_i}^{DSSST} = 0$$

$$6\qquad$$

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

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

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

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

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

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

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

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

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\sum_{n_i=n+\Bbbk\atop (n_i=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}\sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}\atop (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )}\frac{(n_i-s-I)!}{(n_i-\boldsymbol{n}-I)!\cdot (\boldsymbol{n}-s)!}.$$

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

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

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

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

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

$$\boldsymbol{l}_{ik}-j_{sa}^{ik}+1=\boldsymbol{l}_s \wedge \boldsymbol{l}_i+j_{sa}^{ik}-s=\boldsymbol{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

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

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

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

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{l_{ik}+s-1} \sum_{j_i=l_i+1}^{j_{sa}^{ik}+1} \cdot$$

$$\sum_{n_i=n+s-1}^n \sum_{(n_i-j_s+1)}^{(n_i-j_s+1)-j_s+1} \cdot$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{n_{is}} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k}^{(n_i-s-I)!} \cdot$$

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

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

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

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

$$s \leq j_s \leq n - s + 1 \wedge$$

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, l_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{l=l_i+n-D}^{l_s+s-1} \frac{(n_i-s+1)}{(n_{is}-n+\mathbb{k}-1)} \cdot$$

$$\frac{\sum_{n_{ik}=j_s+j_{sa}-j_{si}}^{n_s=n_{ik}+j_{sa}-1} (n_{is}-\mathbb{k})}{(n_i-s-I)! \cdot (n-s)!} \cdot$$

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

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

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

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

$$j_s + s - 1 \leq j_i \leq n$$

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_l=l_{lk}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_i-l+1} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^{ik})}^{(n_i-s-1)!} \\ \frac{(n_i-s-1)!}{(n_i-s-1) \cdot (\mathbf{n}-s)!} \\ \frac{(l_s-l-1)!}{(l_s-j_s-1+1)! \cdot (j_s-2)!} \\ \frac{(D-l_i)!}{(D-j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

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

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

$$j_s + s - 1 \leq j_i \leq \dots$$

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

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

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

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

$$s \leq 2 \wedge s < s) \vee$$

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

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

$$\mathbf{s} : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s} : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_s, j_i}^{DSSST} = & \sum_{k=l}^{\left(\right)} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \\
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-\dots-j_{sa}^s-\mathbb{k})}^{(l_s-I-1)!} \\
& \frac{(n_s-I-1)!}{(n_s-l+1)!\cdot(j_s-2)!} \\
& \frac{(l_s-I-1)!}{(D-j_i)\cdot(\mathbf{n}-l_i)!\cdot(\mathbf{n}-j_i)!}
\end{aligned}$$

$$\begin{aligned}
& D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& 2 \leq j_s \leq j_i - s + 1 \wedge \\
& j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - \dots = l_{ik} \wedge \\
& ((D \geq \mathbf{n} < n \wedge I = \mathbb{k}) = 0 \wedge \\
& j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
& s: \{j_{sa}^s, j_{sa}^i\} \wedge \\
& s \geq 2 \wedge s > s) \vee \\
& (D \geq \mathbf{n} < n \wedge I = \mathbb{k}) = 0 \wedge \\
& j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
& s: \{j_{sa}^s, \mathbb{k}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge \\
& s \geq 3 \wedge s = s + \mathbb{k} \wedge \\
& \mathbb{k}_z: z = 1) \Rightarrow
\end{aligned}$$

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

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} (n_s=n_{ik}+j_s+j_{sa}^{ik}-\mathbb{k}-j_{sa}^s-\mathbb{k}) \\ & \frac{(s-s-1)!}{(s-n-1)! \cdot (s-s)!} \cdot \\ & \frac{(l_s-l-1)!}{(n_s-n-l+1)! \cdot (j_s-2)!} \\ & \frac{(D-s)!}{(D+j_s-n-l_i)!(n-j_i)!} \end{aligned}$$

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

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

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

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

$$((D \geq \mathbf{n} < n \wedge l_s - \mathbb{k} = 0 \wedge$$

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

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

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s - \mathbb{k} = 0 \wedge$$

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

$$s: \{j_{sa}^s, \mathbb{k}, i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\right.} \frac{(n_i-s-I)!}{(n_i-\mathbf{n}-I)\cdot(n-s)} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-(s-1)!\cdot(l-2)!)} \cdot \\ \frac{(D-l_i)!}{(D+j_i-l_i-l_i)!\cdot(n-j_s)}.$$

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

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

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

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

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

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

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

$$s \leq 2 \wedge s = \mathbb{v} \vee$$

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

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

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \leq \mathbb{s} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{l_s}\sum_{(j_s=l_s+n-D)}\sum_{j_i=j_s+s-1}^{(l_s-l+1)}\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\phantom{j_s}\right)}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}\frac{(n_i-s-I)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}-s)!}.$$

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

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

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

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

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{n_{ik}, j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=l_t+\mathbf{n}-s-D+1)} \sum_{j_l=j_s+s-1}^{(l_i-l-s+2)}$$

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

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

$$\frac{(n_i - s - l)!}{(n_i - \mathbf{n} - l)! \cdot (\mathbf{n} - s)!}.$$

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

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

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

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

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

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

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

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

$$s\geq 2\wedge \pmb{s}=s)\vee$$

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\mathcal{C}_{i_s,j_i}^{DSST}=\sum_{k=l\left(\begin{array}{c} (l_{ik}-l-j_i-1)/2\\ l_i+n-s-D+1\end{array}\right)}\sum_{j_i=j_s+s-1}^{(l_{ik}-l-j_i-1)/2}\sum_{n_i=n+\Bbbk\left(\begin{array}{c} (n_i-j_s+1)\\ n_{is}=n+\Bbbk-j_s+1\end{array}\right)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{\left(\begin{array}{c} (n_i-s-I)\\ (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)\end{array}\right)}$$

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

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

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

$$D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1\wedge$$

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 & f_z S_{j_s, j_i}^{DSS} = \sum_{(j_s = l_{ik} + j_{sa}^{ik} - D + 1)} \sum_{(i_k = j_s + s - 1)} \sum_{(n_i = n + \mathbb{k})} \\
 & \quad \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})} \\
 & \quad \frac{(n_i - s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} - s)!} \cdot \\
 & \quad \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
 & \quad \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
 \end{aligned}$$

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

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

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{l_{ik}+n-j_{sa}^{ik}=s-1}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(l_{ik}-j_{sa}^{ik}+2)}$$

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

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

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

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

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

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

$$2 \leq j_i \leq j_i - s$$

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + n - l + 1)}^{(j_i - l + s - 1)} \sum_{n_i = n + \mathbb{k} - l + 1}^{(n_i - l + s - 1)} \\ \frac{(n_i - l + s - 1)!}{(n_i - n - l + 1)! \cdot (n - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge I > D - n + 1 \wedge$$

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

$$l_{ik} \leq j_s \leq l_i - s + 1 \wedge$$

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

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

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

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

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

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

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

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \sum_{( )}^{(n_i-s-I)!} \frac{(n_i-s-I)!}{(n_i-n-I)! \cdot (\mathbf{n}-s)!}.$$

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

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

$$\big( (D > \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$(l_{ik} - j_{sa}^{ik} + 1 < n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

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

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

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\infty}\sum_{(j_s=j_i-s+1)}^{\left(\phantom{j_s}\right)}\sum_{j_i=l_i+\mathbf{n}-D}^{l_s+s-l}\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\phantom{n_{ik}}\right)}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{l_s+s-l}\\ \frac{(n_i-s-I)!}{(n_i-\mathbf{n}-I)!\cdot(\mathbf{n}-s)!}.$$

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

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

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee \end{aligned}$$

$$\begin{aligned} & (D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge \\ & D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + (s - \mathbf{n} - 1)) \wedge \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\ & j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\ & s: \{j_{sa}^s, j_{sa}^{ik}\} \wedge \\ & s \geq 3 \wedge s = s) \vee \\ & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\ & j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\ & s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge \\ & s \geq 3 \wedge s = s + \mathbb{k} \wedge \\ & \mathbb{k}_z: z = 1)) \Rightarrow \end{aligned}$$

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

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

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

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

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

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

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \end{aligned}$$

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

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

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

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

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

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

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

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

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

$$(D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

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

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

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

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

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

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

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

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

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

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

$$l_i - s + 1 > l_s \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$(l_i - s + 1 > l_s \wedge l_i < n \wedge I = k = 0 \wedge$$

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \Bbbk \wedge$$

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_i+s+1)}^{(s+1)}\sum_{j_i=j_s+s-1}^{(l_s-l+1)}\sum_{n_i=n+\lfloor\frac{j_i-j_s}{2}\rfloor,\ldots,n+\Bbbk-j_s+1)}^{(n)}\sum_{n_{ik}=n_{is}+s-i-j_{sa}^{ik},(n_s=j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(n_i)}\frac{\sum_{l_i=l_s-s+1}^{(l_s-l+1)}}{(n_i-s-I)!}\cdot\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!}\cdot\frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)!\cdot(\pmb{n}-j_i)!}.$$

$$(\bullet \geq \pmb{n} < n-1, > D-n+1 \wedge$$

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

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

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

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

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

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

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

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

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

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{(n_i-s+1)} \sum_{j_l=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \frac{(n_i-s-l)!}{(n_i-\mathbf{n}-l)!\cdot(\mathbf{n}-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)!\cdot(\mathbf{n}-j_i)!}$$

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

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

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

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1>\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}) \vee$$

$$(D\geq \pmb{n} < n \wedge \pmb{l}_s \leq D-\pmb{n} +1 \wedge$$

$$2\leq \pmb{l}\leq D+\pmb{l}_s+s-\pmb{n}-\pmb{l}_i \wedge$$

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1>\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$D+s-\pmb{n}<\pmb{l}_i\leq D+\pmb{l}_s+s-\pmb{n}-1)\big) \wedge$$

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

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

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

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\dots,\Bbbk,j_{sa}^i\} \wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\pmb{l}_s)}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$D + s - n < l_i \leq D + l_s + s - n - 1))$

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

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

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

$s \geq 2 \wedge s = s) \vee$

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

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

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \cdot, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s + 1 \wedge$

$\mathbb{k}_z: z = 1)$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

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

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

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

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

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

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

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

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

$$D + s - \mathbf{n} < l_i \leq (D + l_s + s - \mathbf{n} - 1) \wedge$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 0 \wedge$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{K}_z : z = 1) \Rightarrow$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_{sa}^s-j_{sa}-\mathbb{K})} \frac{\left(\begin{array}{c} n \\ n_{ik}-j_{sa}^{ik} \end{array}\right)}{(n_i-s-1)! \cdot (n-s)!}$$

$$\frac{(l_{sa}-l_i-1)!}{(l_{sa}-l_i-s+1, l_{sa}-s-2)!} \cdot \frac{(D-l_i)!}{(n+j_i-n-l_i)!(n-j_i)!}$$

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

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

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

$$j_s + s - 1 \leq j_i \leq n - 1$$

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

$$(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$$

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

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

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

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

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\} \wedge$$

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

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$$f_Z S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-\dots)} \sum_{j_i=l_{sa}+n+s-j_{sa}}^{l_{ik}+s-l_{sa}^{ik}+1} \\ \sum_{n_i=n+s-j_{sa}-j_s+1}^n \sum_{n_i-j_s+1}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}}^{n_{is}+j_{sa}^s-j_{sa}} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk}^{(n_i-s-I)!} \\ \frac{(n_i-s-I)!}{(n_i-\pmb{n}-I)! \cdot (\pmb{n}-s)!}.$$

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

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

$$\left((D > \pmb{n} < n \wedge l_s > D - \pmb{n} + 1 \wedge \right. \\ \left. 2 \leq l \leq D + l_s + s - \pmb{n} - l_i \wedge \right. \\ \left. 2 \leq j_s \leq j_i - s + 1 \wedge \right. \\ \left. j_s + s - 1 \leq j_i \leq \pmb{n} \wedge \right. \\ \left. l_{ik} - j_{sa}^{ik} + j_{sa}^s = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \right) \vee \\ (D \geq \pmb{n} < n \wedge l_s > D - \pmb{n} + 1 \wedge$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

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

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

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

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

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

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

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

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

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

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

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{\substack{(i = j_i - s + 1) \\ (l_i = l_i + n + s - D - j_{sa})}}^{} \sum_{\substack{(j_s = j_s + 1) \\ (n_{is} = n + \mathbb{k} - j_s + 1)}}^{} \sum_{\substack{(n_{ik} = n_{ik} + j_{sa}^s - j_{sa}^{ik}) \\ (s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}}^{} \sum_{\substack{( ) \\ ( )}}^{} \frac{(n_i - s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} - s)!} \cdot \frac{(l_s - \mathbf{l} - 1)!}{(l_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge 2 \leq l \leq D + s - \mathbf{n} - l_i \wedge 2 \leq j_s \leq j_i - s + 1 \wedge i + s - 1 \leq j_i \leq \mathbf{n} \wedge l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-s+1)}$$

$$\frac{(n_i - s - l)!}{(n_i - \mathbf{n} - l)! \cdot (\mathbf{n} - s)!}.$$

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

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

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

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

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

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\varsigma_{i_s, j_i}^{DSSR} \sum_{k=\mathbf{e} \cup s = l_{sa} + n - D - j_{sa} + 1} \sum_{j_i = j_s + s - 1}^{(s-l-1)} \sum_{n_i = n + \mathbb{k}}^{(n_i - j_s + 1)}$$

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

$$\frac{(n_i - s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} - s)!} \cdot \\ \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

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

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^s j_s^{CST} = \sum_{k=l}^{\infty} \sum_{(j_s > j_i - s + 1)}^{l_i - l + 1} \sum_{j_i=s+1}^{n_i - l + 1}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-s+1)}$$

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

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

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

$$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$P_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\mathbf{n}} \sum_{j_i=s+1}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-s-I)!} \\ \frac{(n_i-s-I)!}{(n_i-\mathbf{n}-I)! \cdot (\mathbf{n}-s)!} \cdot \\ \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

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

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

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

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_i \leq D + s - \mathbf{n} \wedge$$

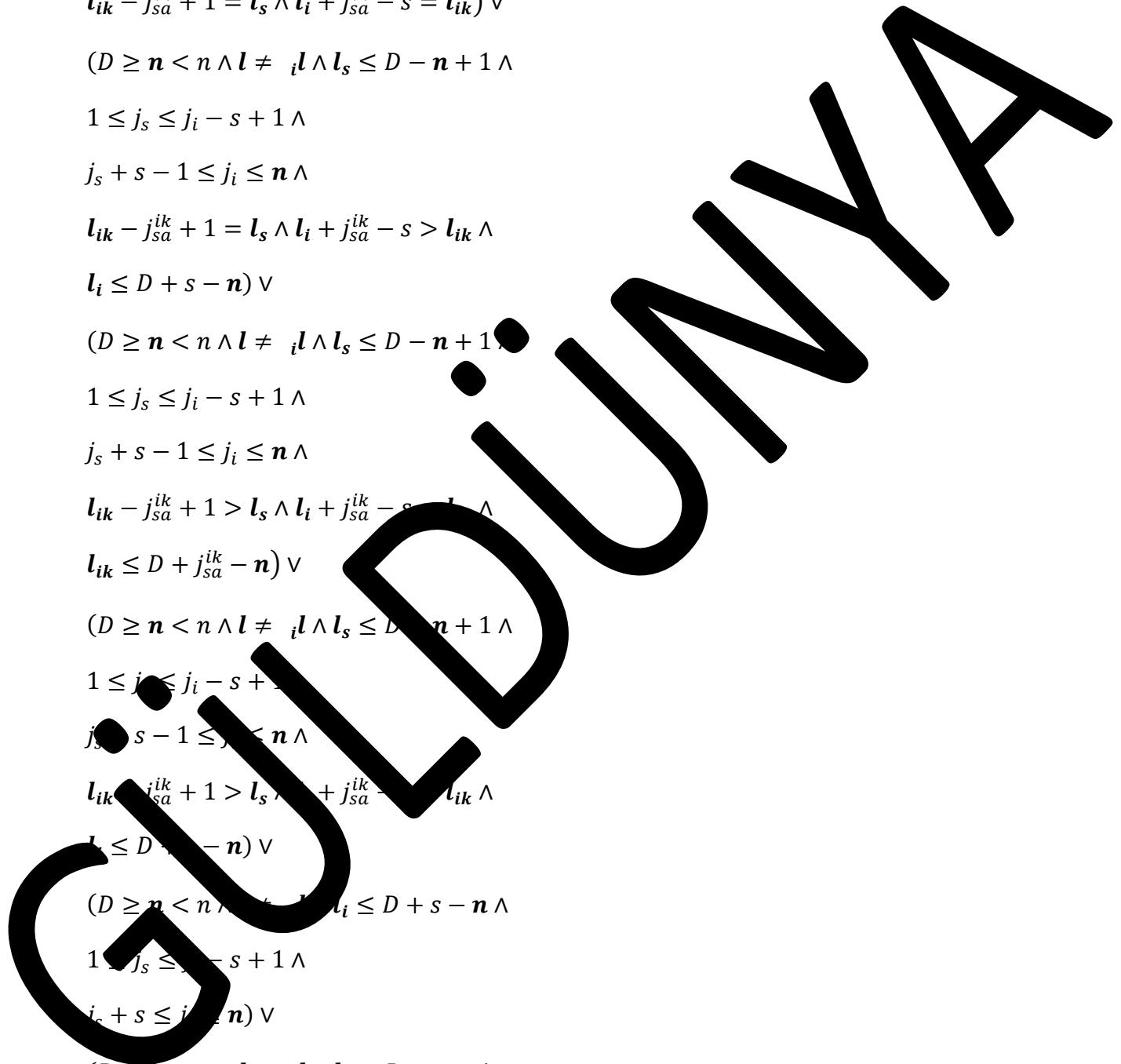
$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

$$l_i - s + 1 > l_s \wedge$$


$$l_i \leq D + s - n) \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s}^{SST} = \sum_{k=l}^{n_i} \sum_{(j_s - j_i - s + 1)} \sum_{j_i=s+1}^{l_s+s-l}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_i} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-s+1)}$$

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

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

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

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

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

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

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

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

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

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

$$\textcolor{violet}{s}\!:\!\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge s=s) \vee$$

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

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

$$\textcolor{red}{s}\!:\!\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \textcolor{blue}{s}\!:\!\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

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

$$\Bbbk_z\!:\!z=1)\big)\Rightarrow$$

$$\begin{aligned} & f_Z S_{j_s} \\ & \sum_{k=l}^{(l_k-s+2)} \sum_{i_s=s-1}^{n_i} \\ & n_i = n + \Bbbk (n_{is} = n + \Bbbk - j_s + 1) \\ & \sum_{i_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i-j_s+1)} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \Bbbk) \\ & \frac{(n_i - s - I)!}{(n_i - \pmb{n} - I)! \cdot (\pmb{n} - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - \pmb{n} - l_i)! \cdot (\pmb{n} - j_i)!} \\ & \Big( (D \geq \pmb{n} < n \wedge l_s \leq D - \pmb{n} + 1 \wedge \\ & 1 \leq j_s \leq j_{i_k} - s + 1 \wedge \\ & i_k + s - 1 \leq j_i \leq \pmb{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \Big) \vee \\ & (D \geq \pmb{n} < n \wedge l \neq \textcolor{teal}{l}_i \wedge l_s \leq D - \pmb{n} + 1 \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \end{aligned}$$

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^s+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{(n_i=n+\mathbb{k}-j_s+1)} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{( )}$$

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

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

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

$$((D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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

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

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

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

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

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

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

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

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

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

$$l_i - s + 1 > s \wedge$$

$$l_i \leq D + s - n) \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

$$(n_i - s + 1) \\ n_{ik} = n_{sa} + \mathbb{k} (n_{is} = n + \mathbb{k} - 1)$$

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

$$\frac{(n_i - s - l)!}{(n_i - s - l + 1)! \cdot (n - s)!} \cdot$$

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

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

$$((l > D + l_s + s - l_i) \vee$$

$$(l \geq n < n \wedge l_i \leq D - s + 1 \wedge$$

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

$$j_s + s \leq n \leq \mathbf{n} \wedge$$

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

$$l_i > D + j_{sa}^s + s - n - j_{sa}^{ik}) \vee$$

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

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

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

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

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik}) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_i > D + l_{sa} + s - n - j_{sa}) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

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

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1) \vee$$

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

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

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s - 1 > l_s \wedge$$

$$l_i > D + l_s - s - n - 1) \wedge$$

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

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

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{K} > 0 \wedge$$

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = 0$$

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \pmb{s}=s) \vee$$

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,\Bbbk,j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1))\Rightarrow$$

$${}_{fz}S^{DSST}_{j_s,j_i}=\sum_{k=\pmb{l}}\sum_{(j_s=j_i-s+1)}\sum_{j_i=\pmb{l}_i+\pmb{n}-D}^{(\ )}{}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)} \\ \frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

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

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

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

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

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

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

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

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

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

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

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

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

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

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$fz^{\omega_{j_i-s+1}}{}^{SST}_{i_k}=\sum_{k=l}^n\sum_{(j_s=j_l-s+1)}\sum_{j_i=l_{ik}+\pmb{n}+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(n_i-j_s+1)}$$

$$\frac{(n_i+j_s-j_i-I-j_{sa}^s)!}{(n_i-\pmb{n}-I)!\cdot(\pmb{n}+j_s-j_i-j_{sa}^s)!}.$$

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

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

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSS} = \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{\infty} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty} \frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

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

$$2 \leq j_s \leq \mathbf{n} - s + 1 \wedge$$

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{\substack{(j_s = j_i - s + 1) \\ n_{ik} + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1)}} \sum_{\substack{(j_s + 1) \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} - s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}} \frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

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

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

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

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

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

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

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

$$s \geq 2 \wedge s = s) \vee$$

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

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

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

$$\boldsymbol{s}:\{j_{sa}^s,\mathbb{k},j_{sa}^i\} \vee \boldsymbol{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z:z=1)\big) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\infty}\sum_{(j_s=j_i-\sum_{i=l_s+n+1}^{l-1}n_i)}^{\left(\right)}\sum_{i=l_s+n+1}^{l-1}\sum_{n_i=n+\mathbb{k}-j_s+1}^{n_i}\sum_{n_{ik}=n_{is}+j_{sa}^{ik}}^{n_{ik}}\frac{l_{ik}!}{(n_i-j_s-j_i-I-j_{sa}^s)!}\cdot\frac{(n_i-j_s-j_i-I-j_{sa}^s)!}{(n_i-\boldsymbol{n}-\mathbb{k})!\cdot(\boldsymbol{n}+j_s-j_i-j_{sa}^s)!}\cdot\frac{(l_s-\boldsymbol{l}-1)!}{(l_s-j_s-\boldsymbol{l}+1)!\cdot(j_s-2)!}.$$

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

$$D \geq \boldsymbol{n} < n \wedge I > D - l - 1 \wedge$$

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

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

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

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

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

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

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

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_s+n+s-D-1}^{l_s+s-l} \frac{\sum_{n_i=1}^n \sum_{n_{ik}=n_is+j_i-s+1}^{(n-j_s+1)} \frac{(n_{ik}-j_i-j_s^s-\mathbb{k})!}{(n_l-j_s-j_i)!}}{\frac{(l_s+l-1)!}{(l_s-j_s-l+1) \cdot (j_s-2)!}} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}.$$

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

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

$$j_s - s - 1 \leq j_s \leq n \wedge$$

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

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

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

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

$$s \geq 2 \wedge s = s \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z : z = 1) \Rightarrow$$

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

$$\begin{aligned} & \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n} \sum_{(n_s = n_{ik} + j_{sa}^s - j_i - l_s - \mathbf{k} - j_{sa} - \mathbb{k})}^{(n_i - j_s + 1)} \\ & \frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (I + j_s - j_i - j_{sa}^s)!} \cdot \\ & \frac{(l_s - l + 1)!}{(l_s - l + 1, l_s - l + 2)!} \cdot \\ & \frac{(D - l_i)!}{(s + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

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

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

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

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

$$(\bullet) \geq \mathbf{n} < n \wedge I = \mathbb{k} = \mathbb{k} \wedge$$

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

$$s \in \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3, 4 \wedge$$

$$(D \geq \mathbf{n} - \mathbb{k}) \wedge I = \mathbb{k} > 0 \wedge$$

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

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z : z = 1) \Rightarrow$$

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

$$\begin{aligned} & \sum_{n_i=n+l}^n \sum_{(n_{is}=n+l-j_{sa}^i)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^i-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-n_{is}-l) \\ & \frac{(n_i + j_s - j_{sa}^{ik} - l - j_{sa}^i)!}{(n_i - n - l)! \cdot (n + j_s - j_{sa}^{ik} - j_{sa}^i)!} \cdot \\ & \frac{(l_s - l - 1)!}{(n_{is} - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D - l)!}{(D + j_s - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

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

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

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

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

$$((D \geq n < n \wedge l_s - l_i = 0 \wedge$$

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

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

$$s \geq 2 \wedge l_i = s) \vee$$

$$(D \geq n < n \wedge l_s - l_i = 0 \wedge$$

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

$$s: \{j_{sa}^s, \mathbb{k}, \dots, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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

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

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\right.} \frac{(n_i+j_s-j_i-I-j_{sa}^s)!}{(n_i-\mathbf{n}-I)!\cdot (\mathbf{n}+j_s-j_i-j_{sa}^s)!} \cdot \\ \frac{(l_s-l-j_s-s-1)!\cdot (l_s-2)!}{(l_s-j_s-s-1)!\cdot (l_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-l_i)!\cdot (\mathbf{n}-j_i)!}$$

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

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

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

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

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

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

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

$$s \leq 2 \wedge s = 1 \vee$$

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

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

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \leq s \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \rangle \Rightarrow$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{(\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{(j_s=l_i+\mathbf{n}-s-D+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}$$

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

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

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

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

$$D \geq \mathbf{n} < n \wedge \mathfrak{l}_s > D - \mathbf{n} + 1 \wedge$$

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

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

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

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

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

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

$$s \geq 2 \wedge s=s) \vee$$

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

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

$$s:\{j_{sa}^s,\mathbb{k},j_{sa}^i\} \vee s:\{j_{sa}^s,\cdots,j_{sa}^{\mathbb{k}},j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathfrak{s} = s+\mathbb{k} \wedge$$

$$\mathbb{K}_z:z=1)$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

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

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

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

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

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

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

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

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

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

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

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

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

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

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

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

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

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

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

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

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

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

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

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

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

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

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3) \vee$$

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

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

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

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

$$\mathbb{k}_z : z = 1) \Rightarrow$$

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

$$\begin{aligned} & \sum_{n_i=\mathbf{n}+\mathbf{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbf{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-l_i-j_{sa}-\mathbf{k})}^{(n_i-j_s+1)} \\ & \frac{(n_i + j_s - i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (I - l_s - j_i - j_{sa})!} \cdot \\ & \frac{(I - l_s - j_i - \mathbf{n} - 1)!}{(l_s - j_s - l + 1, j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(\mathbf{n} + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

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

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

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

$$j_s + s - 1 \leq j_i \leq n$$

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

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

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

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

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

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

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

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

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

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

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

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

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$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Big) \Rightarrow$$

A large, bold black letter 'Y' is oriented vertically. Inside the letter, there are several mathematical expressions written in black. The expressions include:

- A summation symbol with a lower limit of  $k=l$ , an upper limit of  $n$ , and a summand involving  $f_Z S_{j_s}^D$ .
- A summation symbol with a lower limit of  $i=n$ , an upper limit of  $(n_i - j_s + 1)$ , and a summand involving  $\sum_{l_i+n-D}^{l_s+s-l}$ .
- A summation symbol with a lower limit of  $k=n$ , an upper limit of  $(n_{is} = n + \mathbb{k} - j_s + 1)$ , and a summand involving  $( )$ .
- An expression for  $j_k$  as  $= n_{is} + j_{sa}^s - j_{sa}^k$  with a condition  $(n_s = n_{ik} + j_s + j_{sa}^k - j_i - j_{sa}^s - \mathbb{k})$ .
- A fraction:  $\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$
- A fraction:  $\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$
- A fraction:  $\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$

$$((D \geq n < n+1) \rightarrow \neg n + 1 \wedge$$

$$2 \leq l \leq l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq \dots - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z_{ik} \mid \mathbf{l}_i, j_i}^{DSST} = \sum_{k=l}^{\mathbf{l}_i} \sum_{(j_s = l_i + \mathbf{n} - D - s + 1)}^{\mathbf{l}_{ik} - \mathbf{l} - j_{sa}^{ik} + 2} \sum_{j_i = j_s + s - 1}^{(n_i - j_s + 1)}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{\infty}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_t+n-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i - \mathbf{l}_i)!}.$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \wedge (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = \mathbb{M} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{M}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{M} \wedge$$

$$\mathbb{M}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} (n_s=n_{ik}+j_{sa}^{ik}-l_s-j_{sa}^s-\mathbb{k}) \\ & \frac{(n_i + j_s - j_{sa}^{is} - l_s - j_{sa}^s)!}{(n_i - \mathbf{n} - l_i) \cdot (\mathbf{n} + j_s - j_{sa}^{is} - j_{sa}^s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(n_{is} - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D - l_i - 1)!}{(D + j_s - \mathbf{n} - l_i) \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$((\mathbf{n} \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

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$$D>\pmb{n} < n$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee\pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \Bbbk \wedge$$

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} = & \sum_{k=\pmb{l}} \sum_{(j_s=l_{ik}+\pmb{n}-j_{sa}^{ik}+1)}^{(l_s-l+1)} \sum_{j_i=j_s+s-1} \\ & \sum_{n_i=n+\Bbbk-j_s+1}^{(n_i)} \sum_{n_{ik}=n_is+j_s-j_{sa}^{ik}}^{(n_i)} \\ & \frac{(n_i-j_s-j_i-I-j_{sa}^s)!}{(n_i-\pmb{n}-\pmb{l})! \cdot (\pmb{n}+j_s-j_i-j_{sa}^s)!} \cdot \\ & \frac{(l_s-\pmb{l}-1)!}{(l_s-j_s-\pmb{l}+1)! \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!} \end{aligned}$$

$$(\bullet \geq \pmb{n} < n \wedge 1 > D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + l_s + s - \pmb{n} - l_i \wedge$$

$$l_{ik} \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq \pmb{n} < n \wedge l_s \leq D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + l_s + s - \pmb{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \pmb{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=0}^{\lfloor \frac{n}{2} \rfloor} \sum_{\substack{i_s = j_i - s + 1 \\ k = i_s - j_s}} \sum_{j_i = l_i + n - D}^{l_{sa} + s - l - j_{sa} + 1}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_{ik}} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(n_i - j_s + 1)}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge\right.$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$${}_{\mathbf{z}}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(l_{sa}-l-j_{sa}+2\right)}\sum_{\left(j_s=l_t+\mathbf{n}-D-s+1\right)}\sum_{j_i=j_s+s-1}^{(l_{sa}-l-j_{sa}+2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$D + s - n < l_i \leq D + l_s + s - n - l_i \wedge$

$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_i \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_i \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$\mathbf{n} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbb{Z}}(\dots)) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\begin{array}{c} \\ \end{array}\right)} \frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!} \cdot \frac{(l_s - l - j_s - s + 1)!}{(l_s - j_s - s + 1)! \cdot (l - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (\mathbf{n} - j_s - s + 1)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + s - (\mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_{sa}+\mathbf{n}-D-j_{sa}+1)} \sum_{j_i=j_s+s-}^{(l_{ik}-l-j_{sa}^s-\mathbb{k})} \\ \sum_{n_i=n_{is}+s-}^{n} \sum_{n_{ik}=n_{is}+s-}^{(l_{ik}-l-j_i-j_{sa}^s-\mathbb{k})} \frac{(n_{ik}-j_s+1)!}{(n_{ik}-n-i)! \cdot (n+j_s-j_i-j_{sa}^s)!} \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_s > j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

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$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l-1)} \sum_{(j_s = l_{sa} + n - D - j_{sa} + 1)}^{(l_s-l-1)} \sum_{(j_s = j_s + s - 1)}^{(l_s-l-1)}$$

$$\sum_{n_{ik} = j_s + j_{sa} - j_{sa} + s - 1}^{(n_i - l + 1)} \sum_{(n_{is} = n + \mathbb{k} - 1)}^{(n_i - l + 1)}$$

$$\frac{(n_i + j_s - j_i - I - j_{sa})!}{(n_i - l + 1)! \cdot (l - j_s - j_i - j_{sa})!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq s \wedge l_s \leq D - \mathbf{n} + l \wedge$$

$$1 \bullet j_s \leq j_i - l + 1 \wedge$$

$$j_s - l - 1 \leq j_i \leq n$$

$$1 \bullet l_k - j_{sa} + 1 = l_s \wedge l_i - j_{sa} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge l = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}-j_{sa}^s+j_s+j_{sa}^{ik}-j_i-j_{sa})}^{(n_i-j_s+1)}$$

$$\frac{(j_s - j_i - l + j_{sa}^s)!}{(n_i - j_s - l + 1)! \cdot (j_s - j_i - l + j_{sa}^s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$< D + \mathbf{n} - \mathbf{n}) \wedge$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \right.$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, k, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{j_i=s}^{j_{sa}^{ik}} \sum_{n_i=n+1}^{n-(n_i-j_s+1)} \sum_{j_s+1}^{n-(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}-s}^{n_{is}+j_{sa}^s-j_{sa}^{ik}-j_i-j_{sa}^s-k} \frac{(n_{j_s-j_i-I-j_{sa}^s})!}{(n_{j_s-j_i-I})! \cdot (n+j_s-j_i-j_{sa}^s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\left( (D - n < n \wedge l \neq i) \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$s < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_i \leq D + s - 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\}$$

$$s \geq \omega \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-1)}^{(n_i-j_s+1)}$$

$$\frac{(j_s - j_i - 1)!}{(n_i - j_s - l + 1)! \cdot (j_s - j_i - j_{sa}^s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq l_i \wedge l_s \wedge D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k}) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s > 1) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\begin{aligned} & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \frac{(n_i + j_s - s - l + I - j_s)!}{(n_i - n - s) \cdot (\mathbf{n} + j_s - s - l + j_{sa}^s)!} \cdot \\ & \frac{(l_{is} - l - 1)!}{(j_{is} - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D)}{(D + j_s - n - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + s) \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + s) \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \Big) \wedge$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \right.$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-}^{(l_{ik}-l-j_{sa}^{ik}+2)} \\ \sum_{n_i=n}^{n} \sum_{n_{ik}=n_i+s-}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(n+j_s-1)}^{(n+j_s+1)} \\ \frac{(n_i - j_s - j_i - j_{sa}^s - \mathbb{k})!}{(n - n - l) \cdot (n + j_s - j_i - j_{sa}^s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \cdot 2 \wedge s = \mathbb{k} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^{ik}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \cdot s \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_i + j_s - j_i - I - j_{sa}^s)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(l > D + l_s + s - \mathbf{n} - l_i) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_{ik} + s - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > l_s + l_s + j_{sa}^{ik} - \mathbf{n} + 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 1 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = 0$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_t}^{D_s} = \sum_{s=l}^n \sum_{(j_s=j_t-s+1)}^{} \sum_{j_i=l_i+n-D}^{t_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - n - I)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_s, j_i}^{DSST} &= \sum_{k=n+1 \setminus (j_s=j_i-s)}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k} \setminus (n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ &\quad \sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik} \setminus (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i+j_i+j_{sa}^s-j_s-2 \cdot s-I)!} \\ &\quad \frac{(n_i+j_i+j_{sa}^s-j_s-2 \cdot s-I)!}{((n_i-j_s-\mathbf{l}+1) \cdot (\mathbf{n}+j_i+j_{sa}^s-j_s-2 \cdot s)!)}. \\ &\quad \frac{(l_s-\mathbf{l}-1)!}{(l_s-j_s-\mathbf{l}+1) \cdot (j_s-2)!}. \\ &\quad \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!}. \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge i_s = D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq \mathbf{x} - s + 1 \wedge$$

$$i_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{l=j_i-s+1}^{(n_i-j_s+1)} \sum_{l_i=j_i-k+1}^{(n_i-j_s+1)-s+l} \sum_{n_i=k}^{n} \sum_{n_s=n_i-k+j_i-j_s+1}^{(n_i-j_s+1)} \frac{\binom{n}{n_i} \binom{n_i}{n_s} \binom{n_s}{n_i-j_s+1}}{(n_i + j_i + i - j_s - 2 \cdot s - l)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > n - n + 1$$

$$2 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} \wedge j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = k = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+r_{ik}-D-j_{sa}^{ik}}^{\left(\right)} \sum_{l_i-l+1}^{\left(\right)} \\ \sum_{n_{ik}+j_s-j_{sa}^{ik}-r=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}-\mathbb{k}}^{\left(\right)} \frac{(n_i + \dots + j_{sa}^s - \dots - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (n + j_i + j_{sa} - j_s - 2 \cdot s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} + 1 \wedge$$

$$2 \bullet j_s \leq j_i - 1 + 1 \wedge$$

$$j_s - 1 \leq j_i \leq n$$

$$l_k - j_{sa}^{ik} - 1 = l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = j_l - s + 1)}^{\infty} \sum_{j_i = l_{ik} + n + s - D - j_{sa}^{ik}}^{l_{ik} + s - l - j_{sa}^{ik} + 1}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_s} (n_s = n + j_s + j_{sa}^{ik} - j_i - j_{sa}^s)$$

$$(n_i + s - j_s - 1 - s - I)! / (n_i - n - I)! \cdot (n + j_l - s - 1 - 2 \cdot s)!.$$

$$(j_s - l - 1)! / (j_s - j_s - 1 + 1)! \cdot (j_s - 2)!.$$

$$(D - l_i)! / (D - j_i - n - l_i)! \cdot (n - j_i)!.$$

$$D \geq n < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_s - j_{sa}^{ik} + 1 \leq l_i \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$((D - n < n \wedge I = 0) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\left(\right)} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-\mathbb{k}-j_{sa}^s-\mathbb{k}) \\ & \frac{(n_i + j_i + j_{sa}^s - j_s - s - 1)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} - i + j_{sa}^s - j_s - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(n_{is} - i - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D - l - 1)!}{(D + j_s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - l_{ik} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0) \wedge$$

$$j_s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s \leq s \vee$$

$$(D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\left(\right)} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_s+\mathbf{n}+s-D-1}^{l_i-l+1}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )} \\
 & \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - n - I)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - s - 1)! \cdot (l_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (n - j_s - l_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \leq 2 \wedge s = 1 \vee$

$(D \geq n < n \wedge I = \mathbb{k} = 1) \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \leq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \wedge \Rightarrow$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=j_i-s+1)}^{} \sum_{j_i=l_s+n+s-D-1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

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$$D>\pmb{n} < n$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{( )_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}}$$

$$\frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-I)!}{(n_i-\pmb{n}-I)!\cdot (\pmb{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}\cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-\pmb{l})!}\cdot \frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n}< n \wedge \pmb{l}_s> D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_i\wedge$$

$$\big((D\geq \pmb{n}< n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n}< n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-s\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^i,\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1))$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}\sum_{(j_s=j_i-s+1)}\sum_{j_i=l_s+n+s-D-1}^{( )_{l_s+s-l}}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^n\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{( )_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{\mathbf{l}_i - \mathbf{l} - s + 2} \sum_{(j_s = \mathbf{l}_s + \mathbf{n} - D)} \sum_{j_i = j_s + s - 1}^{(l_i - l - s + 2)}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{( )} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{( )}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

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$$D>\pmb{n} < n$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i-s+1 \wedge$$

$$j_s+s-1 \leq j_i \leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$((D \geq \pmb{n} < n \wedge I = \Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \pmb{s}=s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,\Bbbk,j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1))\Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_{ik}-\pmb{l}-j_{sa}^{ik}+2)}\sum_{(j_s=l_s+\pmb{n}-D)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^n\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )}$$

$$\frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-I)!}{(n_i-\pmb{n}-I)!\cdot(\pmb{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_s + n - D)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_s - l + 1)}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(\ )}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

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$$D>\pmb{n} < n$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i-s+1 \wedge$$

$$j_s+s-1 \leq j_i \leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$\big((D \geq \pmb{n} < n \wedge I = \Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \pmb{s}=s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}$$

$$s \geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$$f_{n-\pmb{l},s-j_i}^{DSST}=\sum_{k=l}^{\pmb{l}}\sum_{(j_s=l_l+\pmb{n}-s-D+1)}^{(l_i-l-s+2)}\sum_{j_l=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^n\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )}(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)$$

$$\frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-I)!}{(n_i-\pmb{n}-I)!\cdot (\pmb{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}\cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!}\cdot$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i-s+1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$j_{sa}^{i_s, j_i} \in \mathcal{C}_{i_s, j_i}^{DSST} = \sum_{k=l}^{\min(n_i, l_i + n - s - D + 1)} \sum_{j_i=j_s+s-1}^{\min(l_i - l - 1, n - 2)} \sum_{n_i=n+\mathbb{k}}^n \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\min(n_i, l_i + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\min(n_i-j_s+1, l_i - l - 1)} \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSS} \sum_{(j_s = l_{ik} + j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_i - s)}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{= n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(\ )} \\ \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq \mathbf{n} - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{(l_{ik} - j_{sa}^{ik} + 2)} \sum_{j_i = j_s + s - 1}^{(l_{ik} - j_{sa}^{ik} + 2)} \sum_{n_l = \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1)}^{n} \sum_{n_{ik} = j_s + j_{sa}^s - j_{sa}^{ik}}^{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)} \sum_{( )}^{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!} \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - s - 1 \wedge$$

$$2 \leq i \leq j_i - s \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_s - j_{sa}^{ik} + 2 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

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$$D>\pmb{n} < n$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee\pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \Bbbk \wedge$$

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} &= \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+\pmb{n}-s+1)}^{(l_s-l+1)} \sum_{(j_i=j_{sa}+s-1)}^{(l_s-l+1)} \\ &\quad \sum_{n_i=n+\Bbbk-j_s+1}^{(n_i)} \sum_{n_{ik}=n_is+j_{sa}^{ik}}^{(n_i)} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk) \\ &\quad \frac{(n_i+j_i+s-1-j_s-2\cdot s-I)!}{(n_i-\pmb{n}-I)! \cdot (i-s-j_i+j_{sa}^s-j_s-2\cdot s)!} \cdot \\ &\quad \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ &\quad \frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!} \end{aligned}$$

$$(\bullet \geq \pmb{n} < n \wedge 1 > D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + l_s + s - \pmb{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D \geq \pmb{n} < n \wedge l_s \leq D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + l_s + s - \pmb{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \pmb{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{n_i - j_s + 1} \sum_{(n_{is} = j_i - s + 1)} \sum_{j_i = l_i + n - D}^{l_{ik} + s - l - j_{sa}^{ik} + 1} \sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})} \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D > n < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + s - n - 1)$$

$$(D \geq n < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = \mathbb{k} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\text{()}} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\text{()}}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^{i^*} - 1 \wedge$   
 $s: \{j_{sa}^s, j_{sa}^{i^*}\} \wedge$   
 $s \geq 3 \wedge s = s) \vee$   
 $(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^{i^*} - 1 \wedge$   
 $s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{i^*}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$   
 $s \geq 3 \wedge s = s + \mathbb{k} \wedge$   
 $\mathbb{k}_z: z = 1)) \Rightarrow$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(\mathbf{l}_{ik} - \mathbf{l} - j_{sa}^{ik} + 2)} \sum_{(j_s = l_i + \mathbf{n} - D - s + 1)} \sum_{j_i = j_s + s - 1}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^i-j_i-j_{sa}^s)}^{\left(\right.} \\
 & \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - n - I)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!} \cdot \\
 & \frac{(l_s - l - j_s - s - 1)!}{(l_s - j_s - s - 1)! \cdot (l - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (n - j_s - l_i)!}
 \end{aligned}$$

$$\begin{aligned}
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^i + 1 = l_s \wedge l_i + j_{sa}^i - s > l_{ik}) \vee \\
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^i + 1 > l_s \wedge l_i + j_{sa}^i - s = l_{ik}) \vee \\
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^i + 1 > l_s \wedge l_i + j_{sa}^i - s > l_{ik}) \vee \\
 & ((D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge
 \end{aligned}$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$j_s + s - 1 < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

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$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+s-1) \dots (s+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)} \\ \sum_{n_i=n+l_i+s-1}^n \sum_{n_l=n+k-j_s+1}^{(n_l-n+1)} \\ \sum_{n_{ik}=n_{is}+s-1-j_{sa}^{ik}}^{(n_{is}-j_{sa}^s-1)} \frac{(n_i + j_i + l_i - j_s - 2 \cdot s - I)!}{(n_i - n - I)! \cdot (n_l - j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_{sa} \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$\begin{aligned} e_z S_{j_s, j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{( )} \sum_{j_l=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l} \\ & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )} \\ & \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - l)!}{(n_i - \mathbf{n} - l)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\big( (D > \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - n - I)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1)) \wedge$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s = j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \cdot, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s + 1 \wedge$

$\mathbb{K}_z: z = 1)$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \mathbb{k})!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_s \wedge l_{sa} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_s \wedge l_{sa} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq (D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 2 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_t+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_{sa}^s-j_{sa}-\mathbb{k})} (n_i+j_i+j_{sa}^s - l_i - 2 \cdot s - 1)$$

$$\frac{(n_i + j_i + j_{sa}^s - l_i - 2 \cdot s - 1)!}{(n_i - D)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s - 1)!}.$$

$$\frac{(l_i - 1)!}{(l_s - l_i - l + 1, l_s - 2)!}.$$

$$\frac{(D - l_i)!}{(l_i + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \dots$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = j_i - l + 1) \dots j_i = l_{sa} + n + s - l_{sa}}^{} \sum_{l_{ik} + s - l_{sa}^{ik} + 1}^{} \\ \sum_{n_i = n + s - l_{sa}^{ik} - j_s + 1}^{} \sum_{(n_i - j_s + 1)}^{} \\ \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^i}^{} \sum_{n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - k}^{} \\ \frac{(j_i + j_s + n - j_s - 2 \cdot s - I)!}{(n - n)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D > n < n \wedge l_s > D - n +$$

$$\leq l \leq n + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_i = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1) \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{\substack{(i = j_i - s + 1) \\ (l_i = l_i + s + n + s - D - j_{sa})}}^{} \sum_{\substack{(j_s = j_s + 1) \\ (n_{is} = n + \mathbb{k} - j_s + 1)}}^{} \sum_{\substack{(n_{ik} = n_{ik} + j_{sa}^s - j_{sa}^{ik}) \\ (n_{is} = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}}^{} \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + s - n + 1 - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_i + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$\sum_{k=\ell \cup s=l_{sa}+n-D-j_{sa}+1}^{\infty} \sum_{j_i=j_s+s-1}^{(l-j_{sa}^{ik}+2)} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \sum_{(n_i+j_i+j_{sa}^s-j_s-2 \cdot s-I)!}^{(n_i+j_i+j_{sa}^s-j_s-2 \cdot s-I)!} \\ \frac{(n_i+j_i+j_{sa}^s-j_s-2 \cdot s-I)!}{(n_i-n-I)! \cdot (\mathbf{n}+j_i+j_{sa}^s-j_s-2 \cdot s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!}.$$

$$\frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\varsigma_{i_s,j_i}^{DSSR} \sum_{k=\mathfrak{e} \cup s=l_{sa}+n-D-j_{sa}+1)} \sum_{j_i=j_s+s-1}^{(s-l-1)} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(n_i - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^s j_{sa}^{ik} \overset{FST}{=} \sum_{k=l}^n \sum_{(j_s < j_i - s + 1)}_{j_i = s + 1}^{l_i - l + 1}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - l)} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(n_i - j_s + 1)}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - l)!}{(n_i - n - l)! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l \neq l_i) \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}^{DSST}_{j_s, j_i} &= \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=s+1}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)} \\ &\quad \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - l)!}{(n_i - \mathbf{n} - l)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \\ &\quad \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \\ &\quad \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\left( (D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i - s + 1 < l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s}^{SST} = \sum_{k=l}^{\infty} \sum_{(j_s-j_i-s+1)}^{\left(\right)} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)} \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - l)!}{(n_i - \mathbf{n} - l)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D > \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
& f_z S_{js} \\
& \sum_{k=l}^{(l_s - s + 2)} \sum_{i_s=s-1}^{(n_i - j_s + 1)} \\
& n_i = n + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1) \\
& \sum_{i_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!} \\
& \frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - I)!}{(I - \mathbf{n} - I)! \cdot (\mathbf{n} + j_i + j_{sa}^s - j_s - 2 \cdot s)!} \cdot \\
& \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
\end{aligned}$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_{sa}^i - s + 1 \wedge$$

$$+ s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$D>\pmb{n} < n$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s>\pmb{l}_{ik})\Big)\wedge$$

$$\big((D\geq \pmb{n}< n\wedge I=\Bbbk=0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n}< n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$S_{j_s,j_i}^{DSST} = \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^s+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \sum_{n_i=\pmb{n}+\Bbbk}^{n} \sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )}$$

$$\frac{(n_i+j_i+j_{sa}^s-j_s-2\cdot s-I)!}{(n_i-\pmb{n}-I)!\cdot (\pmb{n}+j_i+j_{sa}^s-j_s-2\cdot s)!}\,.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!}\,.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$\big((D\geq \pmb{n}< n\wedge \pmb{l}\neq \pmb{l}_i\wedge \pmb{l}_s\leq D-\pmb{n}+1\wedge$$

$$1\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_s-l+1)} \sum_{(j_i=j_s+s-1)}^{(l_s-l+1)} \\ (n_i + j_i + \mathbb{k} (n_{is} = n + \mathbb{k} - 1)) \\ \sum_{n_{ik} = j_s + j_{sa} - j_s - j_i - s = n_{ik} + j_s + j_{sa} - j_s - j_{sa} - \mathbb{k})}^{(n_i + j_i + j_{sa} - s - 2 \cdot s - l)!} \\ \frac{(n_i + j_i + j_{sa} - s - 2 \cdot s - l)!}{(n_i - \mathbf{n} - l)! \cdot (n + j_i + j_{sa} - j_s - 2 \cdot s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D > D + l_s - \mathbf{n} - s) \vee \\ (D < \mathbf{n} < n \wedge l_s \leq \mathbf{n} - \mathbf{n} + s) \wedge \\ 1 \leq j_s \leq \mathbf{n} - s + 1 \wedge \\ j_s + s \leq j_i \leq \mathbf{n} \wedge \\ l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\ l_i > D + l_s + s - \mathbf{n} - j_{sa}^{ik}) \vee \\ (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1 \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} \neq 0$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_i+\mathbf{n}-D}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\phantom{j_s}\right)} \sum_{j_l=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\phantom{n_{ik}}\right)} \\ \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!}. \\ \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!}. \\ \frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z^{\omega}}(j_{sa}^{ik})^{\text{SST}} = \sum_{k=\mathbf{l}}^{\mathbf{n}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f(z)^{\text{SST}} &= \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{n} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l+s-l-j_{sa}^{ik}+1} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)} \\ &\quad \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ &\quad \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \\ &\quad \frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSS} = \sum_{(j_s = j_i - l_s)} \sum_{(j_i = l_{ik} + \mathbf{n} + s - D - j_{sa}^{ik})} \sum_{n_i = \mathbf{n} + \mathbb{k}}^{n} \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{= n_{is} + j_{sa}^s - j_{sa}^{ik}} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(n_{is} - s - \mathbb{k})!} \frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq \mathbf{n} - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{\substack{(j_s = j_i - s + 1) \\ n_{is} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}} \sum_{\substack{(j_s + 1) \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} - s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}} \cdot$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + \mathbb{k} - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - 1 + 1 \wedge$$

$$j_s - s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-1, \dots, l_{ik}-l_{sa}^{ik}+1)}^{} \sum_{n_i=n+\mathbb{k}-s+1, \dots, n+\mathbb{k}-j_s+1}^{} \sum_{n_l=n_i+\mathbb{k}-l+1, \dots, n_i}^{} \frac{l_{ik}!}{(n_i-j_s+1)!} \cdot \frac{(n_l-n_i)!}{(n_i-j_s+1)!} \cdot \frac{(n_{ik}-n_i-j_s+1)!}{(n_{ik}-j_{sa}^{ik}+1)!} \cdot \frac{(n_{is}-n_i-s+\mathbb{k})!}{(n_{is}-n_i-\mathbf{n}-\mathbb{k}-s+1)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge I > D - n - 1 \wedge$$

$$2 \leq i \leq j_i - s + 1 \wedge$$

$$i + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l \wedge l_{ik} - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_s+n+s-D-}^{l_s+s-l} \sum_{n_i=1}^n \sum_{(n_i=n+j_s-j_i+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+(n_i-n_{ik})}^{\left(\right)} \sum_{(n_{ik}=n_{ik}+j_s-j_i-j_{sa}-\mathbb{k})}^{(n_{ik}-j_i-j_{sa}-\mathbb{k})} \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-k-\mathbb{k}-j_{sa})! \cdot (n+j_{sa}-j_s-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n + 1,$$

$$2 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s \leq s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} \wedge j_{sa}^{ik} + 1 = l_s \wedge 1 + j_{sa}^{ik} \wedge l_{ik} \wedge$$

$$((D \geq n \wedge n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s = l_s + n - D)} \sum_{j_i = j_s + s - 1}^{(n_i - l_s + 1)}$$

$$\begin{aligned} & \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n} \sum_{(n_s = n_{ik} + j_{sa}^s - l_s - l - s + 1)}^{(n_i - j_s + 1)} \\ & \frac{(n_{is} - s - l_s)!}{(n_{is} + j_s - n - l - j_{sa}^s)! \cdot (n_s + j_{sa}^s - j_s - s + 1)!} \cdot \\ & \frac{(l_s - l + 1)!}{(l_s - l + 1, l_s - l - 1)!} \cdot \\ & \frac{(D - l_i)!}{(s + j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l + j_{sa}^{ik} - s = l_i \wedge$$

$$(l_s - l + 1, l_s - l - 1)! = k = \dots \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$s \in \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3, 4 \wedge$$

$$(D \geq n - s + 1 \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, k, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-n_{is}-\mathbb{k}) \\ & \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-s-1)!} \cdot \\ & \frac{(l_s-l-1)!}{(n_{is}-l+1) \cdot (j_s-2)!} \\ & \frac{(D-s)!}{(D+j_s-\mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - n_{is} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0 \wedge$$

$$j_s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge l < s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - n - \mathbb{k} - j_{sa}^s)! \cdot (n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - s - 1)! \cdot (l_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (n - j_i)!}.$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0)$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \leq \mathbb{k} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=l_i+n-s-D+1)} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s)!\cdot(\mathbf{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)!\cdot(j_s-\mathbf{l})!}$$

$$\frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)!\cdot(\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \cdots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_{ik}-\mathbf{l}-j_{sa}^{ik}+2)}\sum_{(j_s=l_t+\mathbf{n}-s-D+1)}\sum_{j_i=j_s+s-1}^{( )}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - l_t)!}{(D + j_i - \mathbf{n} - l_t)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = \mathbf{l}_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(\mathbf{l}_t - \mathbf{l} - s + 2)} \sum_{j_i = j_s + s - 1}^{(l_i - l - s + 2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s)!\cdot (\mathbf{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)!\cdot (j_s-\mathbf{l})!}$$

$$\frac{(D-\mathbf{l}_i)}{(D+j_i-\mathbf{n}-\mathbf{l}_i)!\cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \cdots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}}\sum_{(j_s=\mathbf{l}_{ik}+\mathbf{n}-j_{sa}^{ik}-D+1)}^{(\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_s=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(\mathbf{l}_s - \mathbf{l} + 1)} \sum_{j_i = j_s + s - 1}^{(l_s - l + 1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!} \\ \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\begin{aligned} & \sum_{n_i=n+k}^n \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-l_i+j_{sa}-k)}^{(n_i-j_s+1)} \\ & \frac{(n_{is}-s+1)!}{(n_{is}+j_s-n-k-j_{sa}^s)! \cdot (n_{is}-j_{sa}-s)!} \cdot \\ & \frac{(l_s-j_s-l+1)!}{(l_s-j_s-l+1, j_s-2)!} \cdot \\ & \frac{(D-l_i)!}{(D-j_i-n-l_i)! \cdot (n-j_i)!} \end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_i + j_{sa}^{ik} - s > l_s) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 & f_z S_{j_s, s}^D \sum_{\substack{i=k \\ i \neq l}}^{\infty} \sum_{\substack{(n_i-j_s+1) \\ (n_i=n+\mathbb{k})}}^{\infty} \sum_{\substack{(n_i-j_s+1) \\ (n_i=n+\mathbb{k}-j_s+1)}}^{\infty} \sum_{\substack{(n_i-j_s+1) \\ (n_i=n+\mathbb{k}-j_s+1)}}^{\infty} \\
 & \frac{(n_i-s-\mathbb{k})!}{(n_i+s-i-n-\mathbb{k}-j_{sa}^s)! \cdot (n+j_{sa}^s-j_s-s)!} \cdot \\
 & \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}
 \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz_{n+1-s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_i + \mathbf{n} - D - s + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_{ik} - \mathbf{l} - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D + s - n < l_i \leq D + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_t+\mathbf{n}-D-s+1)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i - 1)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \wedge (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = \mathbb{M} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})}^{(n_i-s-\mathbb{k})} \\ & \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-s)!} \cdot \\ & \frac{(l_s-l-1)!}{(n_{is}-l+\mathbb{k})! \cdot (j_s-2)!} \\ & \frac{(D-s)!}{(D+j_s-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ & (D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \\ & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\ & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ & s: \{j_{sa}^s, j_{sa}^i\} \wedge \\ & s \geq 2 \wedge s = s) \vee \end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + \mathbf{n} - l_{sa}^{ik} + 1)}^{(l_s - l + 1)} \sum_{(j_i = j_s + s - 1)}^{(l_s - l + 1)} \\ n_{ik} = n_{is} + j_{sa}^{ik} - l_{sa}^{ik} (n_s = n + \mathbb{k} - j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\ \frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - l_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge I > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$l_{ik} \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=0}^{\lfloor \frac{j_i - s}{2} \rfloor} \sum_{i_s=j_i-s+1}^{\lfloor \frac{j_i}{2} \rfloor} \sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$zS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_t+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}} \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )} \\ \frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$   
 $D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - l_i) \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$   
 $s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_i \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_i \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$\mathbf{n} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbb{Z}}(\text{---})) \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_s+s-l}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\quad\right)} \\
 & \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-n-\mathbb{k}-j_{sa}^s)! \cdot (n+j_{sa}^s-j_s-s)!} \cdot \\
 & \frac{(l_s-l-1)!}{(l_s-j_s-(s-1)!) \cdot (l_s-2)!} \cdot \\
 & \frac{(D-l_i)!}{(D+j_i-l_i)!) \cdot (n-j_i)!}
 \end{aligned}$$

$$\begin{aligned}
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee
 \end{aligned}$$

$$\begin{aligned}
 & (D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge
 \end{aligned}$$

$$(D + s - n < l \leq D + s - n + 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_{sa}+\mathbf{n}-D-j_{sa}+1)} \sum_{j_i=j_s+s-}^{(l_{ik}-l-j_{sa}^i+2)} \\ \sum_{n_i=n}^{n_{ik}} \sum_{n_{ik}=n_{is}+s-j_{sa}+1}^{n_{ik}+j_s} \frac{(n-j_s+1)}{(n-j_s+1)} \\ \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-\mathbf{n}-\mathbb{k}-j_{sa})! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_s + s - 1 \leq j_i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{sa} + n - D - j_{sa} + 1)}^{(l_s - l - 1)} \sum_{(j_s = j_s + s - 1)}^{(n_i - i + 1)}$$

$$\frac{\sum_{n_{ik} = n + j_{sa} - j_s + 1}^{n_{ik} = n + \mathbb{k} (n_{is} = n + \mathbb{k} - 1) - 1} (n_{ik} - n + j_{sa} - j_s - s = n_{ik} + j_s - j_{sa} - \mathbb{k})}{(n_{is} - s - 1)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq s \wedge l_s \leq D - \mathbf{n} + \mathbb{k} \wedge$$

$$1 \bullet j_s \leq j_i - 1 + 1 \wedge$$

$$j_s - s - 1 \leq j_i \leq n - 1 \wedge$$

$$1 \bullet l_k - j_{sa}^i - 1 = l_s \wedge l_i - j_{sa}^i - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_i} \sum_{(n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^{ik})}^{(n_i-j_s+1)}$$

$$\frac{(s - \mathbb{k})!}{(n_{is} - j_s - n - l + 1)! \cdot (j_s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$< D - j_i - (n - n)) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s-s+1)}^{l_{ik+s}-j_{sa}^{ik}+1} {}_{j_i=s}$$

$$\sum_{n_i=n+1}^n \sum_{(j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{n_{is}} \sum_{(j_s+1)}^{(n_i-j_s+1)}$$

$$\frac{(n_{is}-s-\mathbb{k})!}{(n_{is}-j_s-n)_s! \cdot (j_{sa}^s)! \cdot (n+j_{sa}^s-j_s-s)!}.$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!}.$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\left( D - n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$s < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee \\ (D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge \\ 1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\ l_i \leq D + s - n) \vee \\ (D \geq n < n \wedge l \neq i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge \\ 1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_i - s + 1 > l_s \wedge \\ l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge l = k) \wedge 0 \wedge \\ j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ s: \{j_{sa}^s, j_{sa}^i\}) \wedge \\ s \geq \omega \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge \\ j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

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$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^{ik})}^{(n_i-j_s+1)}$$

$$\frac{(s - \mathbb{k})!}{(n_{is}+j_s - \mathbf{n} - l_i - l_{sa})! \cdot (n_{is}+j_s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \wedge D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \dots$$

$$l_s - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k}) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s > \mathbb{s}) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{(l_i - l - s + 2)}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i-k-s+1)} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k})}{(n_{is}+j_s-n-\mathbb{k}-j_{sa}^s) \cdot (n+j_{sa}^s-s)!} \cdot \\ & \frac{(l_s-l-1)!}{(j_s-l+1)! \cdot (j_s-2)!} \\ & \frac{(D)}{(D+j_s-n-l_i)! \cdot (n-j_i)!} \end{aligned}$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{K} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{K} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(l_{ik}-l-j_{sa}^{ik}+2)}$$

$$\sum_{n_i=n_{is}+s-1}^n \sum_{n_k=n_{ik}+j_s-s}^{(l_{ik}-j_i-j_{sa}^s-\mathbb{k})} \frac{(n_{is}-s-\mathbb{k})!}{(n_{is}+j_s-n-\mathbb{k}-j_{sa}^s)! \cdot (n+j_{sa}^s-j_s-s)!}$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 < j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \in 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \in 2 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_{is} - s - \mathbb{k})!}{(n_{is} + j_s - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((\mathbf{l} > D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{ik} + s - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} > \mathbf{l}_s + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} + 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{sa} > D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 1 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \rightarrow$$

$$_{fz}S_{j_s, j_i}^{DSST} = 0$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_t}^{D_{\mathbf{s}, \mathbf{i}}} = \sum_{i=l}^n \sum_{(j_s=j_t-s+1)}^{\left(\right)} \sum_{j_i=l_i+n-D}^{t_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$s > \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST}$$

$$\sum_{k=1}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n=n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}$$

$$\sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}$$

$$\frac{(r_s + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - n - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq i < n \wedge l_s < \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_a - s + 1 \wedge$$

$$i + s - j_s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_{sa}+1)}^{\infty} \sum_{j_i=l_i+n-D}^{\infty} \frac{\sum_{n_{ik}=j_s+j_{sa}-j_{sa}^{ik}-s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\infty} \sum_{(n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}-2 \cdot j_{sa}^s)=l_s}^{\infty} (l_s + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}-2 \cdot j_{sa}^s)! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\geq \mathbf{n} < n \wedge l_s > D - j_i + 1 \wedge$$

$$2 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} - s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+\mathbf{l}_{ik}+n+\mathbb{k}-2-j_{sa}^{ik})}^{\left(\begin{array}{c} \\ \end{array}\right)} \Delta_{n_i=n+\mathbb{k}-s+1}^{l+1} \sum_{n_i=n+\mathbb{k}-s+1}^{(n_i)} \sum_{n_i=n+\mathbb{k}-s+1}^{(n_i)} \\ n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^s (n_s=s+\mathbb{k}-2+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \\ \frac{(l_{ik}+j_{sa}^{ik}-s-\mathbb{k}-2-j_{sa}^s)!}{(n_{is}+j_{sa}^{ik}-s-\mathbb{k}-2-j_{sa}^s)! \cdot (n_s+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_{ij} > D - \mathbf{n} - 1 \wedge$$

$$2 \leq s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{ij} - j_{sa}^{ik} + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^s}^{l_{ik}+s-l-j_{sa}^{ik}+1} \\ \frac{\sum_{n_i=n_{is}+j_{sa}^s-j_i}^n \sum_{n_{ik}=n_{is}+j_{sa}^s-j_i-j_{sa}^s-\mathbb{k}}^{(n-j_s+1)}}{(n_{ik}+j_s+j_{sa}^{ik}-s-1-x-j_{sa}^s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i - \mathbf{n} \wedge$$

$$l_{ik} + j_{sa}^{ik} + 1 = l_s \wedge j_{sa}^s + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} - \mathbf{n} \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\}$$

$$2 \wedge (s-s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_{lk}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=j_s+j_{sa}^s-j_i-j_{sa}^i)} (n_s=j_s+j_{sa}^s-j_i-j_{sa}^i)$$

$$\frac{(n_{ik} + j_{sa}^{ik} - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^s - n - \mathbb{k} - j_{sa}^s)!} \cdot \frac{(j_s - l - 1)!}{(j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D - l_i - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + 1 \leq j_i \leq n$$

$$l_{lk} - j_{sa}^{ik} + 1 = 1 \wedge l_i + j_{sa}^i - s = l \wedge$$

$$((D - \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^{ik}\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k}) \vee$$

$$(D \geq n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_s+\mathbf{n}+s-D-1}^{l_i-l+1}$$

$$\begin{aligned} & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)} \sum_{(n_s=n_{ik}-j_{sa}^{ik}-j_i+j_{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\ & \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-2 \cdot j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s)! \cdot (n_{is}-j_{sa}^s-j_s-s)!} \cdot \\ & \frac{(j_{sa}^s-j_i+l-1)!}{(l_s-j_i-l+1) \cdot (j_s-2)!} \cdot \\ & \frac{(\mathfrak{D}-l_i)!}{(\mathfrak{D}-j_i-\mathbf{n}-l_i)! \cdot (\mathfrak{D}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s + 1 + j_{sa}^{ik} - s = l_i$$

$$(\bullet) \geq \mathbf{n} < n \wedge I = \mathbb{k} = \mathbb{A} \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$\{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s)$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{( )} \sum_{j_i=l_s+n+s-D-1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s, (\mathbf{n}+j_{sa}^s-j_{sa}^s-s)!)}. \\ & \frac{(l_s-l-1)!}{l+l-1 \cdot (j_s-2)!}. \\ & \frac{(D-l_i)}{(D+j_l, \mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!} . \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_s+n+s-D-1}^{l_s+s-l}$$

$$\sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k})}^{(\infty)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s) \cdot (\mathbf{n} + j_{sa}^s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - l + 1) \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - \mathbb{k} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^{i-1} \wedge$$

$$s: \{j_{sa}^s, j_{sa}^{i-1}\} \wedge$$

$$s \geq 2 \wedge s > s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^{i-1} \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, \dots\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s = l_s + n - D)} \sum_{j_i = j_s + s - 1}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i+k-s)} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k}) \\ & \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-n-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-s-1) \cdot (s-1)!} \cdot \\ & \frac{(l_s-l-1)!}{(l_s-l+1) \cdot (j_s-2)!} \cdot \\ & \frac{(D-n_i)!}{(D+j_s-n-l_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - \dots = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge l_s = l_i = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s > s \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s = l_i = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_s + n - D)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_{ik} - l - j_{sa}^{ik} + 2)}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \frac{\binom{n}{n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s}}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_{sa}^s-s)!} \cdot \\ & \frac{(l_s-l-1)!}{l+l-1 \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_t)}{(D+j_t) \cdot (\mathbf{n}-l_t)! \cdot (\mathbf{n}-j_t)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s + l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i+k-s)} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k}) \\ & \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-s-1) \cdot (s-1)!} \cdot \\ & \frac{(l_s-l-1)!}{(l_s-l+1) \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_i)!}{(D+j_s-\mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - j_{sa}^s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^{ik}\} \wedge$$

$$s \geq 2 \wedge s > s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=l_t+\mathbf{n}-s-D+1)}^{\infty} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k}) \\ & \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-s-1)!} \cdot \\ & \frac{(l_s-l-1)!}{(l_s-l+1) \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_i)!}{(D+j_s-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - j_{sa}^s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^{i-1} \wedge$$

$$s: \{j_{sa}^s, j_{sa}^{i-1}\} \wedge$$

$$s \geq 2 \wedge s > s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^{i-1} \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{l_{ik}-l-j_{sa}^{ik}+2} \sum_{(j_s=l_t+n-s-D+1)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned} & \sum_{n_i=n_{is}+j_{sa}^s-j_{sa}^{ik}}^n \sum_{(n_{is}=n+\mathbb{k}-(n_{is}-n+\mathbb{k}-j_{sa}^s))}^{(n_i-j_s+1)} \\ & \frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa})} (n_s=n_{ik}+j_s+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})}{(n_{ik}+j_s+j_{sa}^{ik}-n-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_{sa}^i-s)!} \cdot \\ & \frac{(l_s-l-1)!}{l+l-1 \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_t)}{(D+j_t-n-l_t)! \cdot (n-j_t)!} \end{aligned}$$

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$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s + l_{ik} \wedge$$

$$(D \geq 1 < n \wedge I = 0 = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq 1 < n \wedge I = 0 = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_i - l - s + 2)}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})}^{\infty} \\ & \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_{sa}^s-s)!} \cdot \\ & \frac{(l_s-l-1)!}{l+l-1 \cdot (j_s-2)!} \cdot \\ & \frac{(D-l_i)}{(D+j_i) \cdot (\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s + l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge l_i = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge l_i = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + n - j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_{ik} - l - j_{sa}^{ik} + 2)}$$

$$\begin{aligned} & \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^n \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - s - j_{sa}^s - \mathbb{k})}^{(n_i - j_s + 1)} \\ & \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s) \cdot (n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - 1) \cdots (n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - s)!}{(n_{ik} + j_s + j_{sa}^{ik} - n - \mathbb{k} - 2 \cdot j_{sa}^s) \cdot (\mathbf{n} + j_{sa}^s - j_{sa}^{ik} - s)!} \cdot \\ & \frac{(l_s - 1)!}{(l_s - j_{sa}^s - l + 1) \cdots (j_s - 2)!} \cdot \\ & \frac{(D - l_i) \cdot (D - l_{is}) \cdots (D - l_{ik})}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_s, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_s - l + 1)}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik} - j_{sa}^s - \mathbb{k})}^{\infty} \\ & \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa})!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s) \cdot (\mathbf{n} + j_{sa}^s - j_{sa}^s - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{l + s - 1 \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)}{(D + j_i) \cdot (\mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^s + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$2 + s - 1 \leq l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{j_i=l_i+1}^{n_i-j_s+1} \sum_{n_i=n+s-j_s+1}^{(n_i-j_s+1)} \sum_{n_{ik}=n_is+j_{sa}^s-j_{sa}^i}^{n_{ik}+j_s+j_{sa}^i-j_i-j_{sa}^s-k} \frac{(n_{ik}-j_{sa}^{ik}-s+k-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^i-n-k-j_{sa}^s)! \cdot (n+j_{sa}^s-j_s-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$\begin{aligned} & ((D - n < n \wedge l_s > D - n + 1) \wedge \\ & 2 \leq l \leq D + l_s + s - r - l_i \wedge \\ & 2 \leq j_s < j_i - s \wedge \\ & j_s + s - 1 \leq j_i \leq n \wedge \\ & l_s - j_{sa}^{ik} \leq l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee \end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_i \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge \mathbf{s}: \{j_{sa}^s, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k}$$

$$\mathbb{k}_z: z = -1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(l_{ik}-l-j_{sa}^{ik}+2\right)}\sum_{(j_s=l_i+\mathbf{n}-D-s+1)}\sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )}(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i - \mathbf{l}_i)!}.$$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \leq D + l_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1) \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1) \vee$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1) \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

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$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_t + n - D - s + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_s - l + 1)}$$

$$\begin{aligned} & \sum_{n_i = n + \mathbb{K}}^n \sum_{(n_{is} = n + \mathbb{K} - j_s + 1)}^{(n_i - j_s + 1)} \\ & \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_{sa}^s - l_i + 1)}^{(n_i - j_i + 1)} \\ & \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{K} - 2 \cdot j_{sa}^s)!}{(n_{ik} + j_{sa}^{ik} - n - \mathbb{K} - 2 \cdot j_{sa}^s)! \cdot (n - j_{sa}^s - j_s - s)!} \cdot \\ & \frac{(j_s - l + 1)!}{(l_s - l_i - l + 1) \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$((D \geq n < n \wedge l_s > D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{K} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

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$$D>\pmb{n} < n$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\mathbb{k},j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z:z=1)\big) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k_l} \sum_{(i_l=j_i-s+1)} \sum_{l_l} \sum_{(n_l=s+n+s-D-j_{sa}^{ik})} \sum_{n_{is}} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)} \\ \sum_{n_{ik}} \sum_{(n_{ik}+j_{sa}^s-j_{sa}^{ik})} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!}.$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!}$$

$$((D \geq \pmb{n} < n \wedge l_s > D) \wedge \pmb{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s \wedge \pmb{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$+ s - j_s \leq j_i \leq \pmb{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \pmb{n} < n \wedge l_s \leq D - \pmb{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \pmb{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\varsigma_{j_s, j_i}^{DSSA} \sum_{k=1}^n \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}^{(s-l+1)} \sum_{j_i = j_s + s - 1}^{(s-l+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i-j_s+1)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - (\mathbf{n} - 1))$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)) \Rightarrow$



$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_i+n-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\infty} \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \frac{(l - l - 1)!}{(l_s - j_s - l + 1) \cdot (l - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}}{.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i < D + (l_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_s}^{l_{ik}+s-l-j_{sa}^{ik}+1} \\ \sum_{n_i=n}^{\infty} \sum_{(n_i=j_s+1)}^{(n_i=j_s+1)} \sum_{n_{ik}=n_{is}+s-j_s}^{(n_{ik}-j_s)-l_{ik}-j_i-j_{sa}^s-\mathbb{k}} \\ \frac{(n_{ik}-j_{sa}^{ik}-s+\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-l_{sa}+2 \cdot j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s - 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

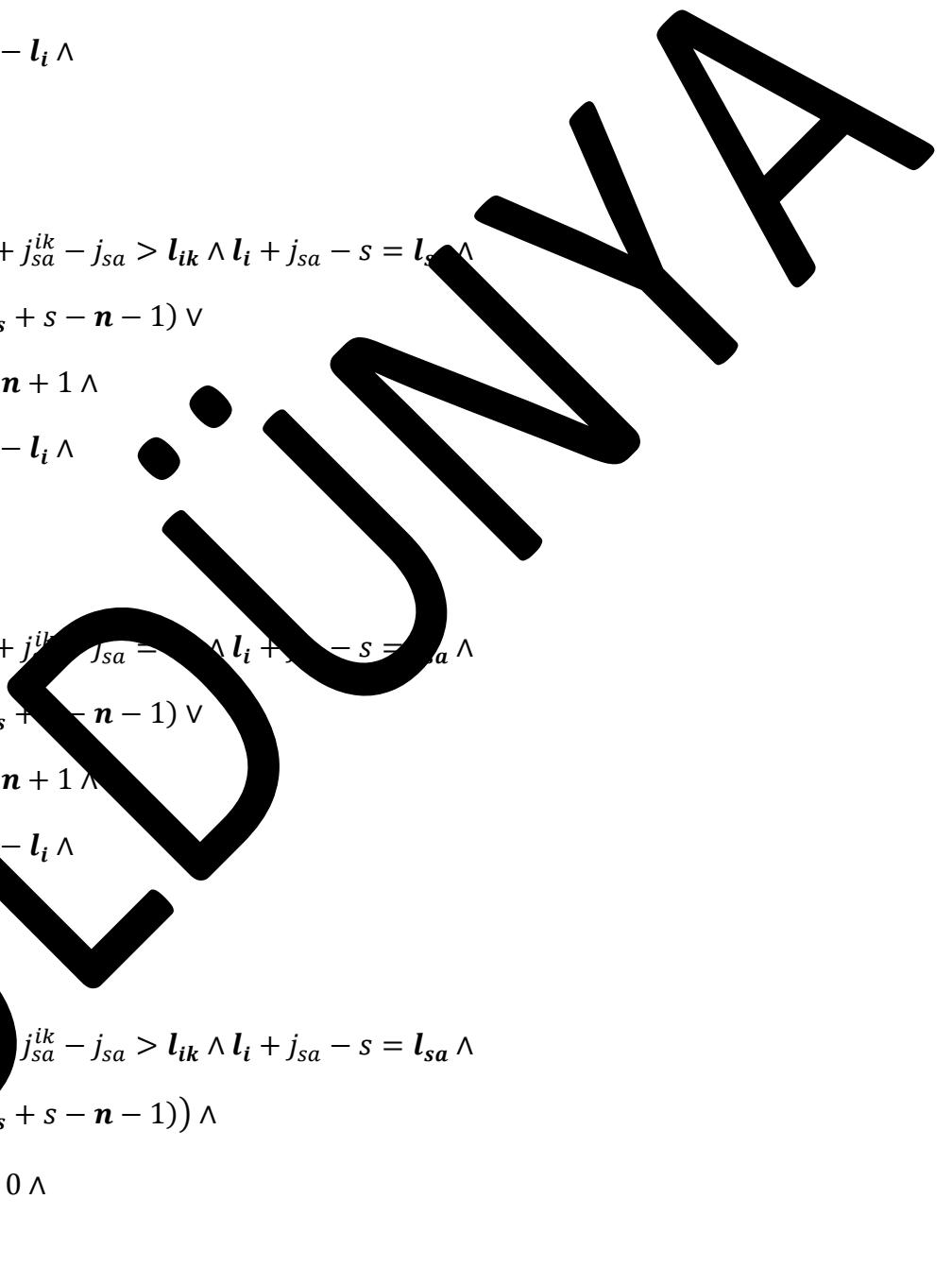
$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_s + s - 1 \leq j_i - 1 \wedge$   
 $\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$   
 $s \geq 2 \wedge s = s) \vee$   
 $(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$



$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+s-D-j_{sa}}^{\infty} \sum_{l_s+s-l}^{\infty}$$

$$\frac{(n_{ik} + j_{sa}^s - s - \mathbb{k} - l_{sa})!}{(n_{ik} + j_{sa}^s + \mathbb{k} - \mathbf{n} - \mathbb{k} - l_{sa})! \cdot (n_{ik} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq l < n \wedge l_s > n - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_{sa} - s - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_{sa} - s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\cdot f_z S_{j_s, j_i}^{DSS_1} \sum_{(j_s = l_{sa} + \mathbb{k} - 2 - j_{sa} + 1)} \sum_{(l_{ik} - j_i - 2)} \sum_{(j_i = j_s + s - 1)}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{= n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_{ik} + j_{sa}^s - \mathbb{k})} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(\ )} \\ \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n) \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$l_s + s - \mathbf{n} - l_i + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

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$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s + j_{sa} + n - D - j_{sa} + 1)}^{(l-1)} \sum_{j_i=j_s+s-1}^{n_i-j_s+1} \sum_{n_i=n+\mathbb{k}}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )} \frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSS} = \sum_{(j_s=j_i-s+1)} \sum_{j_i=s+1}^{l_i-l+1} \sum_{n_i=n+\mathbb{k}}^{n_i-l+1} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{is}=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s} \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l \neq l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\gamma_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \wedge$$



$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(j_s=j_i-s+1)}^{\sum_{l_i=s+1}^{l_s+s-l} \sum_{S_{j_s,j_i}^{DSS}}^{\left(\right)}} \frac{\sum_{n=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}}{(n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-\mathbb{k}-2 \cdot j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$< j_i < j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
& f_z S_{js} \\
& \sum_{k=l}^{(l_k-s+2)} \sum_{i_s=s-1}^{n} \\
& n_i = n + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1) \\
& n_i = n_{is} + j_{sa}^s - j_{sa}^{ik} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\
& \frac{(r_s + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - n - \mathbb{k} - 2 \cdot j_{sa})! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \\
& \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
\end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbf{l} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_{sa}^s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^s+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{(n_i=n+\mathbb{k}-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \sum_{( )}^{( )}$$

$$\frac{(n_{ik} + j_{sa}^{ik} - s - \mathbb{k} - j_{sa}^s)!}{(n_{ik} + j_s + j_{sa}^{ik} - \mathbf{n} - \mathbb{k} - 2 \cdot j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbf{z}}: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\ell_s - l + 1} \sum_{(j_s=2)}^{\ell_s - l + 1} \sum_{(j_s=s-1)}^{\ell_s - l + 1} \\ \frac{(n_i - s + 1)}{(n_{ik} + j_s - s + \mathbb{k} - \mathbf{n} - \mathbf{l} - \mathbf{j}_i - j_{sa}^s)!} \cdot \\ \frac{(n_{ik} + j_{sa}^s - s - \mathbb{k} - \mathbf{n} - \mathbf{l} - \mathbf{j}_i - j_{sa}^s)!}{(n_{ik} + j_s + \mathbb{k} - \mathbf{n} - \mathbf{l} - \mathbf{j}_i - j_{sa}^s)! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D > D + l_s + \mathbb{k} - \mathbf{n} - \mathbf{l} \wedge \mathbf{v}) \vee$$

$$(D \leq \mathbf{n} < n \wedge l_s \leq \mathbf{n} - n + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(1 > D + l_s + s - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1 \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} \neq 0$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_i+\mathbf{n}-D}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(\right)}\sum_{(j_s=j_i-s+1)}^{\left(\right)}\sum_{j_l=l_i+n-D}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\left(\right)}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^{\omega_{j_i-s+1}} = \sum_{k=l}^n \sum_{(j_s=j_l-s+1)}^{(j_i)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{z:z=1}) \Rightarrow$$

$$fz^{n_{is}-j_{sa}^i} = \sum_{k=l(j_s=s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{( )} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{\infty} \sum_{n_{is}=\mathbf{n}+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{(n_i-s+1)} \sum_{j_l=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-l} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(n_{is}+j_{sa}^s-n_{ik}-j_{sa}^{ik}-s-\mathbb{k})!}{(n_{is}+j_{sa}^s-n_{ik}-j_s-\mathbf{n}-j_{sa}^{ik}-\mathbb{k})! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$> n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_s}^{L_s, \mathbf{l}} = \sum_{k=l}^{\infty} \sum_{(j_s=j_{sa}^s+1)}^{(j_s=j_{sa}^i+1)} \sum_{j_i=l_s+n+s-D-1}^{l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{i=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}+j_{sa}^s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot j_s + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$s \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{(i_s=j_i-s+1, \dots, l_s+n+s-D-1)} \sum_{l_{ik}+s-i_s+1} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)} \\ \sum_{n_{ik}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_{is}=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \\ \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + j_{sa}^s - i_s - n_{ik} - j_{sa}^{ik} - s - n - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$s \geq \mathbf{n} < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq i_s \leq j_i - s$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$j_{sa}^s - j_{sa}^{ik} - s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_{sa}^s+1)}^{\infty} \sum_{j_i=l_s+n-i-k+1}^{l_s+l} \sum_{n_i=n}^{\infty} \sum_{(n_i-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_s}^{\infty} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\infty} \\ + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})! \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} + 1,$$

$$j_s \leq j_s \leq j_s - s + 1 \wedge$$

$$j_s + s - 1 \leq j_s$$

$$l_{ik} - j_{sa}^{ik} = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, l_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s = l_s + n - D) \wedge j_s = j_s + s - 1}^{(l_i - l - s + 2)} \sum_{(n_i - l_i + 1)}^{(n_i - l_i + 1)}$$

$$\sum_{n_{ik} = j_s + j_{sa}^s - j_s - s = n_{ik} + j_s + j_{sa}^s - \mathbb{k}}^{n_{ik} = j_s + j_{sa}^s - j_s - s = n_{ik} + j_s + j_{sa}^s - \mathbb{k}}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (n_{is} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{l} - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - \mathbf{l} + 1 \wedge$$

$$j_s + \mathbf{l} - 1 \leq j_i \leq \mathbf{n}$$

$$j_{ik} - j_{sa}^{ik} - 1 = l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=l_{is}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=j_s+l_{ik}-j_{sa}^{ik}-j_i-j_{sa}^s)} \\ \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - l_{ik} - \mathbb{k})! \cdot (n_{is} - l_{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_{sa}^{ik} - \mathbf{n} - j_{sa}^s - \mathbb{k})! \cdot (n_{is} - l_{ik} - \mathbb{k})!} \\ \frac{(l_s - l - 1)!}{(l_s - j_s - \mathbb{k} + 1)! \cdot (j_s - 2)!} \\ \frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + \dots + 1 \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = 1 \wedge l_i + j_{sa}^s - s = l_i \wedge$$

$$((D - \mathbf{n} < n \wedge I = 0) = 0 \wedge$$

$$j_{sa} \leq j_{sa}^{i-1} \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{s} \vee$$

$$(D \geq n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_s + n - D)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_s - l + 1)}$$

$$\begin{aligned} & \sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \\ & \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_{sa}^{ik} - j_i - s_a - \mathbb{k})}^{(l_s - l + 1)} \\ & \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - n - j_{sa}^{ik} - \mathbb{k})! \cdot (n_{is} - j_{sa}^s - j_s - s)!} \\ & \frac{(j_s - l + 1)!}{(l_s - j_s - l + 1) \cdot (j_s - 2)!} \\ & \frac{(n - l_i)!}{(n - j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$D \geq n < n \wedge l_s > D - n + 1$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s + 1 + j_{sa}^{ik} - s = l_i$$

$$(\bullet) \geq n < n \wedge I = \mathbb{k} = \dots \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$\{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_t + \mathbf{n} - s - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_i - l - s + 2)}$$

$$\sum_{n_l = n + \mathbb{k}}^n \sum_{(n_{ls} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - \mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - 1)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - s - 1)!}.$$

$$\frac{(l_s - l - 1)!}{(n_{is} - l + 1)! \cdot (j_s - 2)!}$$

$$\frac{(D - l_i)!}{(D + j_s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - \mathbb{k} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s > s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{l_{ik}-l-j_{sa}^{ik}+2} \sum_{(j_s=l_t+n-s-D+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_{sa}^s - s)!}.$$

$$\frac{(l_s-l-1)!}{l+l-1 \cdot (j_s-2)!} \cdot \frac{(D-l)}{(D+j_l) \cdot (\mathbf{n}-l_l)! \cdot (\mathbf{n}-j_l)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s + l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0 = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0 = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=1}^{\lfloor l_i - l - s + 2 \rfloor} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_{sa}^s)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - \mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_{sa}^i - s)!}.$$

$$\frac{(l_s - l - 1)!}{l + s - 1 \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_l) \cdot (\mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s + l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + n - j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{(l_{ik} - l - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_s = n + \mathbb{k} - j_s)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - \dots - j_{sa}^s - \mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - 1)!}{(l_s - j_s - l + \dots + j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\{j_s, \dots, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_s, j_i}^{DSSST} = & \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{\infty} \sum_{j_i = j_s + s - 1}^{\infty} \\
& \sum_{n_i = \mathbf{n} + \mathbb{k}}^n \sum_{(n_{is} = \mathbf{n} + \mathbb{k} - j_{sa}^s)}^{\infty} \\
& \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - s - j_{sa}^s - \mathbb{k})}^{\infty} \\
& \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})!} \cdot \frac{(n + j_{sa}^s - j_{sa}^s - s)!}{(\mathbf{n} + j_{sa}^s - j_{sa}^s - s)!} \\
& \cdot \frac{(l_s - l - 1)!}{l + s - 1 \cdot (j_s - 2)!} \\
& \cdot \frac{(D - l_i)!}{(D + j_i - l_i) \cdot (\mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.
\end{aligned}$$

$$\begin{aligned}
& ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
& 2 \leq j_s \leq j_i - s + 1 \wedge \\
& j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\
& (D \geq \mathbf{n} < n \wedge l_i \leq D - \mathbf{n} + 1 \wedge \\
& 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 \leq j_s \leq j_i - s + 1 \wedge \\
& j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\
& (D \geq \mathbf{n} < n \wedge l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \\
& ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\
& j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
& s: \{j_{sa}^s, j_{sa}^i\} \wedge
\end{aligned}$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{j_i=l_i+1}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{n_i=n+1}^{n_i-k} \sum_{(n_i-j_s+1)}^{n_i-j_s+1} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}-s+1}^{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}-s+1} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k}^{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k} \\ \frac{(2 \cdot r + 2 \cdot j_s - n_{ik} - j_s - n - l_s - j_{sa}^s - k)!}{(2 \cdot r + 2 \cdot j_s - n_{ik} - j_s - n - l_s - j_{sa}^s - k)! \cdot (n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D - n < n \wedge l_s > D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - r - l_i \wedge$$

$$2 \leq j_i \leq j_i - s$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_s - j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_i \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge \mathbf{s}: \{j_{sa}^s, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k}$$

$$\mathbb{k}_z: z = 0) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{(j_s=\mathbf{l}_i+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i - \mathbf{l}_i)!}.$$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_i \leq j_s - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - \mathbf{n} < l_{ik} \leq D + l_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1) \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1) \vee$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1) \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

**DUNYA**

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=l_t+n-D-s+1)}^{\infty} \sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{K}}^n \sum_{(n_{is}=n+\mathbb{K}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s - j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-j_i-n-\mathbb{K})}^{(l_s-l+1)} \\ & \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{K})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - n - j_{sa}^{ik} - \mathbb{K})! \cdot (n_{is} - j_{sa}^s - j_s - s - \mathbb{K})!} \\ & \frac{(j_s - l + 1)!}{(l_s - j_s - l + 1) \cdot (j_s - 2)!} \\ & \frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$((D \geq n < n \wedge l_s > D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_i + j_{sa}^{ik} - s = l_{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{K} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{\substack{i_s = j_i - s + 1 \\ j_l = j_s - s + 1}} \sum_{\substack{j_s = n + s - D - j_{sa}^{ik} \\ n_{is} = n + \mathbb{k} - j_s + 1}} \sum_{\substack{n_{ik} = n_{is} + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1) \\ + j_{sa}^s - j_{sa}^{ik} \\ + s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}} \sum_{\substack{( ) \\ ( )}} \frac{(2 \cdot n_{is} + s_u - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + s_u - n_{ik} - j_{sa}^{ik} - s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s \wedge \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$+ s - \mathbb{k} \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{i_s, j_i}^{DSSA} = \sum_{k=1}^n \sum_{(j_s = l_{ik} + n - D - j_{sa}^{ik} + 1)}^{(s-l+1)} \sum_{j_i = j_s + s - 1}^{(s-l+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \sum_{( )}^{(n_i-j_s+1)}$$

$$-\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s > 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\infty}\sum_{(j_s=j_i-s+1)}^{\left(\right.\left.)\right.}\sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right.\left.)\right.)}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - (\mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_i+n-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )} (2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l - l - 1)!}{(l_s - j_s - l + 1) \cdot (l - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i < D + (l_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \frac{\sum_{k=l}^{\left(\begin{array}{c} l \\ l_{ik}+s-l-j_{sa}^{ik}+1 \end{array}\right)} \sum_{(j_s=j_i-s+1)}^{n_i=n_{is}+s-j_s} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_s}^{l_{ik}+s-l-j_{sa}^{ik}+1}}{\sum_{n_{ik}=n_{is}+s-j_s}^{n} \sum_{(n-n_{ik}-j_s+l_{ik}-j_{sa}-s-\mathbb{k})}^{n-(n-j_s+1)}} \cdot \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \frac{(l_s \cdot l - 1)!}{(l_s \cdot j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s - 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$

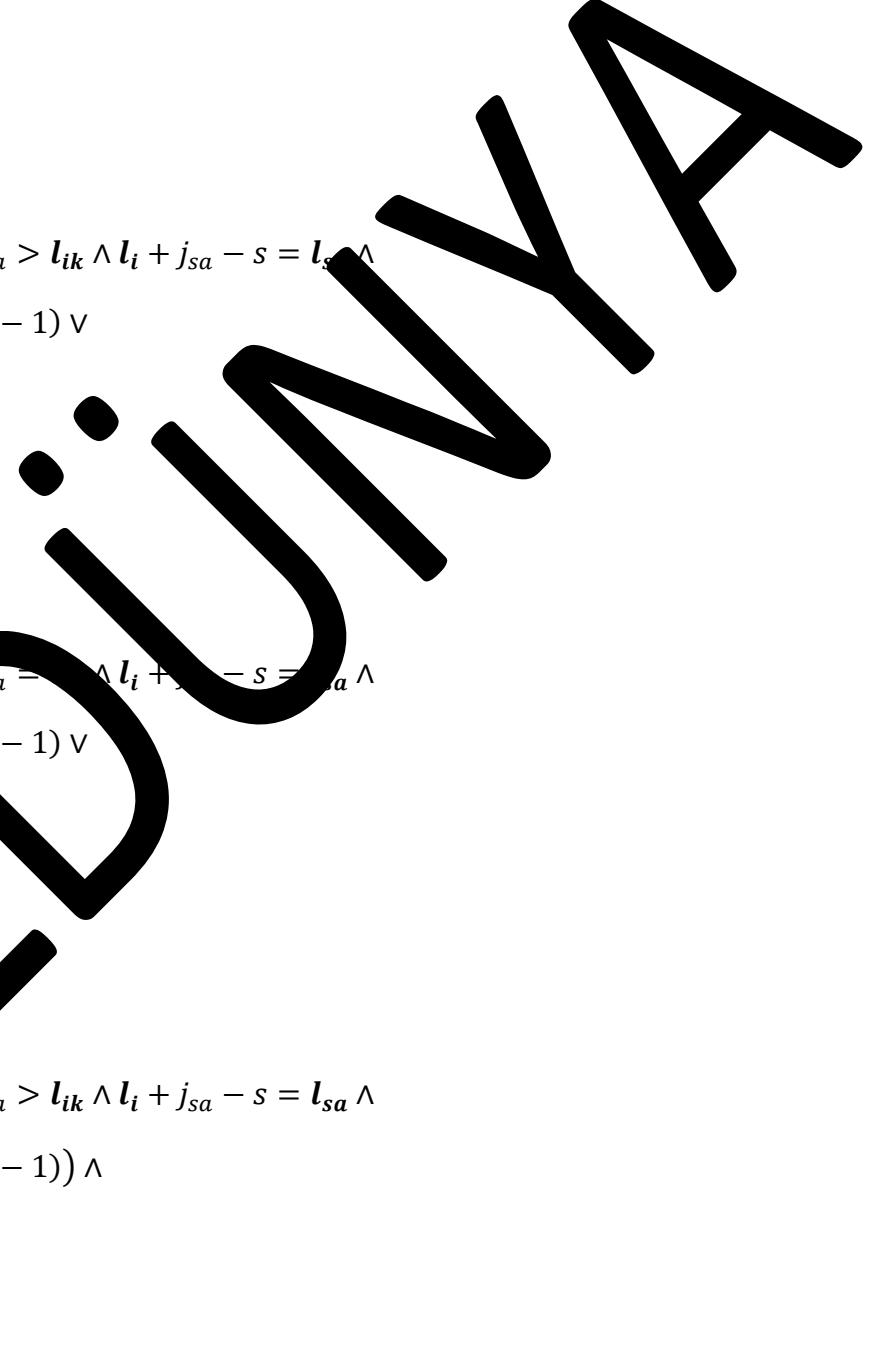
$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_s + s - 1 \leq j_i - 1 \wedge$

$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$



$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+n_{is}-D-j_{sa}}^{\infty} \sum_{l_s+s-l}^{\infty}$$

$$(n_i-s+1)$$

$$(n_{is}+\mathbb{k} (n_{is}=n+\mathbb{k}-1))$$

$$(n_{ik}+j_{sa}-j_s-n_{is}-s=n_{ik}+j_{sa}-j_s-j_{sa}-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{is} - j_{sa}^i - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{is} - j_s - \mathbf{n} - j_{sa}^i - \mathbb{k})! \cdot (n_{is} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D - l_i < n \wedge l_s > n - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s - s - \mathbf{n} + 1 \wedge$$

$$2 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < \mathbf{n} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s - s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

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$$D>\pmb{n} < n$$

$$\big((D\geq \pmb{n}< n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1 \wedge$$

$$\pmb{s}\!:\!\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

$$(D\geq \pmb{n}< n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1 \wedge$$

$$\pmb{s}\!:\!\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}\!:\!\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z\!:\!z=1)\big)\Rightarrow$$

$$fzS_{j_s,j_i}^{DSS_1} \sum_{(j_s=l_{sa}+n+\Bbbk-j_{sa}+1)}^{\sum_{(l_{ik}-j_i-2)}} \sum_{j_i=j_s+s-1}^{(l_{ik}-j_i-2)}$$

$$\sum_{n_i=n+\Bbbk}^n \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )} \\ \frac{(2\cdot n_s-j_{sa}^s-n_{ik}-j_{sa}^{ik}-s-\Bbbk)!}{(2\cdot n_s+2\cdot j_s+n_{ik}-j_s-\pmb{n}-j_{sa}^{ik}-\Bbbk)!\cdot (\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$\big((D\geq \pmb{n}< n \wedge l_s>D-\pmb{n}+1 \wedge$$

$$l_s+l_{sa}+l_s+s-\pmb{n}-l_i \wedge$$

$$2\leq j_s\leq j_i-s+1 \wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n} \wedge$$

$$l_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_{sa}+j_{sa}^{ik}-j_{sa}>l_{ik} \wedge l_i+j_{sa}-s=\pmb{l}_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

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$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_{sa}+n-D-j_{sa}+1)}^{(l-1)} \sum_{j_i=j_s+s-1}^{n_i=n+\mathbb{k}} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik})} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )} \frac{(n_{is}+j_{sa}^s-n_{ik}-j_{sa}^{ik}-s-\mathbb{k})!}{(n_{is}+j_{sa}^s-n_{ik}-j_s-\mathbf{n}-j_{sa}^{ik}-\mathbb{k})! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} & S_{j_s, j_i}^{DSS} \sum_{(j_s=j_i-s+1)} \sum_{j_i=s+1}^{l_i-l+1} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{is}=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{(2 \cdot l_i - l + 1)} \frac{(2 \cdot l_i - l + 1)!}{(2 \cdot l_i - l + 1 + 2 \cdot j_s - n_{ik} - j_s - n - j_{sa}^{ik} - \mathbb{k})! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$((D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \vee$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\gamma_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \wedge$$



$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(j_s=j_i-s+1)}^{\sum_{i=s+1}^{l_s+s-l} \sum_{j_i=s+1}^{l_s+s-l} S_{j_s, j_i}^{DSS}} \frac{\sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{n_s=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(l_s-l-1)}}{(2 \cdot l_s - 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$< j_i < n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} & f_z S_{js} \\ & \sum_{k=l}^{(l_k - s + 2)} \sum_{i_s=s-1}^{n_i} \\ & n_i = n + \mathbb{k} (n_i = n + \mathbb{k} - j_s + 1) \\ & \sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_i - j_s + 1)} \\ & (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\ & \frac{(2 \cdot n_{is} + j_s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - n - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}. \end{aligned}$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq n < n \wedge I = \mathbf{l} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_{sa}^s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge \mathbf{l} \neq \mathbf{l} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^s+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{(n_{is}=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_s-l+1)} \sum_{n_{ik}=j_s+s-1}^{(l_s-l+1)} \\ \frac{(2 \cdot n_{is} + j_{sa}^s - n_{ik} - j_{sa}^{ik} - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (n_{is} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D > D + l_s + s - \mathbf{n} - \mathbf{l}_s) \vee$$

$$(D \leq \mathbf{n} < n \wedge l_s \leq \mathbf{n} - \mathbf{n} + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(1 > D + l_s + s - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - n - j_{sa}^{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - n - j_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa} - n - 1 \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - n - 1 \wedge$$

$$((D \geq n < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} \neq 0$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_i+\mathbf{n}-D}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\phantom{j_s}\right)} \sum_{j_l=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\phantom{n_{ik}}\right)}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z^{\omega}}(j_i)_{ST} = \sum_{k=\mathbf{l}}^n \sum_{(j_s=j_i-s+1)}^{(\cdot)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\cdot)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\cdot)}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^{\alpha} \mathcal{GSS}^T = \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{n} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l+s-l-j_{sa}^{ik}+1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSS} = \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{\infty} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty} \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{\substack{(j_s = j_i - s + 1) \\ n_{ik} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1)}} \sum_{\substack{(j_s + 1) \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} + s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}} \cdot$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - 1 + 1 \wedge$$

$$j_s - s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-\mathbf{l})}^{\left(\begin{array}{c} l \\ l-i \end{array}\right)} \sum_{i=l_s+n-k+1}^{l_{ik}-\mathbf{l}-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}-s+1}^{n_l} \sum_{n_l=n+\mathbb{k}-j_s+1}^{(n_l)} \\ n_{ik}=n_{is}+j_{sa}^{ik}-j_{sa}^s (n_s=\dots+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \\ \frac{(n_s-j_i-j_s-s)!}{(n_s+j_i-\mathbf{n}-s-1)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-\mathbf{l}-1)!}{(l_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge I > D - n - 1 \wedge$$

$$2 \leq i \leq j_i - s + 1 \wedge$$

$$i + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq 1 \wedge l_{ik} - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(\mathbf{n} \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_s+n+s-D-}^{l_s+s-l} \frac{\sum_{n_i=1}^n \sum_{(n_i=n+j_s-j_i+1)}^{\left(\right)}}{\sum_{n_{ik}=n_{is}+1}^{\left(n_s-j_i-j_s\right)} \sum_{(n_i=n_{ik}+j_s-j_i-j_{sa}-\mathbb{k})}^{\left(\right)}} \cdot \frac{(n_s-j_i-j_s)}{(n_s+j_i-n-j_{sa}) \cdot (\mathbf{n}+j_{sa}-j_s-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1,$$

$$2 \leq j_i \leq j_i - s + 1 \wedge$$

$$j_s \leq s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} < j_{sa}^{ik} + 1 = l_s + 1 + j_{sa}^{ik} \wedge l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s = l_s + n - D)} \sum_{j_i = j_s + s - 1}^{(n_i - l_s + 1)}$$

$$\sum_{n_i = n + \mathbb{K}}^n \sum_{(n_{is} = n + \mathbb{K} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_s = n_{ik} + j_{sa}^s - j_i - l_s + s - \mathbb{K})}$$

$$\frac{(n_s + j_i - l_s - s)!}{(n_s + j_i - n - j_{sa}^s)! \cdot (n_s + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l + 1)!}{(l_s - l + 1, l_s - l + 2)!} \cdot$$

$$\frac{(D - l_i)!}{(n_s + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_i + j_{sa}^{ik} - s = l_i \wedge$$

$$(l_s - l + 1) = \mathbb{K} = I \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$s \in \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3, 4 \wedge$$

$$(D \geq n - \mathbb{K}) \wedge I = \mathbb{K} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{K}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{K}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{K} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \\ & \frac{\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-n_{is}-\mathbb{k})!}{(n_s+j_i-n-j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_i-s)!} \cdot \\ & \frac{(l_s-l-1)!}{(n_s+l-1) \cdot (j_s-2)!} \cdot \\ & \frac{(D-l)!}{(D+j_s-\mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - n_{is} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0 \wedge$$

$$j_s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge l = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I - \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )} \\
 & \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - n - j_{sa}^s)! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - s - 1)! \cdot (l - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (n - j_s - l_i)!}
 \end{aligned}$$

$D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \leq 2 \wedge s = 1 \vee$

$(D \geq n < n \wedge I = \mathbb{k} = 1) \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \leq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1 \wedge \Rightarrow$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=l_i+n-s-D+1)} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \cdots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_{ik}-\mathbf{l}-j_{sa}^{ik}+2)}\sum_{(j_s=l_i+\mathbf{n}-s-D+1)}\sum_{j_i=j_s+s-1}^{( )}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{} \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!} \\ \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = \mathbf{l}_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(l_i - l - s + 2)} \sum_{j_i = j_s + s - 1}^{(l_i - l - s + 2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}} \sum_{(j_s=\mathbf{l}_{ik}+\mathbf{n}-j_{sa}^{ik}-D+1)}^{(\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{} \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!} \\ \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = \mathbf{l}_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(\mathbf{l}_s - \mathbf{l} + 1)} \sum_{j_i = j_s + s - 1}^{} \\$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - \mathbb{k})!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq (D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s \neq 3) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\begin{aligned} & \sum_{n_i=n+k}^n \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-l_i+j_{sa}-k)}^{(n_s-j_i-s+1)} \\ & \frac{(n_s + j_i - s)!}{(n_s + j_i - s - j_{sa}^s)! \cdot (n_s + j_{sa}^s - j_s - s)!} \cdot \\ & \frac{(l_s - l + 1)!}{(l_s - l + 1, j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$(l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_i + j_{sa}^{ik} - s > l_s) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
 & f_z S_{j_s, l_i}^{D, l_s} \sum_{n_i=n+\mathbb{k}}^{l_s+s-l} \sum_{(n_i-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{l_i+n-D} \\
 & \sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \\
 & \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
 \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge \mathbf{n} = n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$fz_{n+1-s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=l_i+\mathbf{n}-D-s+1)}^{(\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D + s - n < l_i \leq D + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{(l_s-l+1)}\sum_{(j_s=l_t+\mathbf{n}-D-s+1)}\sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )}(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \wedge (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = \mathbb{M} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{K}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{K} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \frac{(n_s + j_i - j_{sa}^{is})!}{(n_s + j_i - \mathbf{n} - j_{sa}^{is}) \cdot (\mathbf{n} + j_{sa}^{is} - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(n_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ & (D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \\ & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\ & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ & s: \{j_{sa}^s, j_{sa}^i\} \wedge \\ & s \geq 2 \wedge s = s) \vee \end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} + 1)}^{(l_s - l + 1)} \sum_{j_i = j_s + s - 1}^{(n_i - n + \mathbb{k})} \\ n_{ik} = n_{is} + j_{sa}^{ik} - l_{sa}^{ik} (n_s = n_{is} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\ \frac{(n_s - j_i - j_s - s)!}{(n_s - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge I > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$l_{ik} \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\lfloor \frac{j_i - s + 1}{l_i} \rfloor} \sum_{j_i = l_i + n - D}^{l_{sa} + s - l - j_{sa} + 1} \sum_{n_i = n + \mathbb{k}}^{n} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(n_i - j_s + 1)}$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$zS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-\mathbf{l}-j_{sa}+2)} \sum_{(j_s=\mathbf{l}_i+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )} \\ \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}$

$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{( )} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{1}) \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l)!} \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbb{Z}}(\text{---})) \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_s+s-l}$$

$$\begin{aligned}
 & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\right)} \\
 & \frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - n - j_{sa}^s)! \cdot (n + j_{sa}^s - j_s - s)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - s - 1)! \cdot (l - 2)!} \cdot \\
 & \frac{(D - l_i)!}{(D + j_i - l_i - l_i)! \cdot (n - j_s - s)!}
 \end{aligned}$$

$$\begin{aligned}
 & ((D \geq n < n \wedge l_s > D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee
 \end{aligned}$$

$$\begin{aligned}
 & ((D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - n - l_i \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq n \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge
 \end{aligned}$$

$$(D + s - n < l \leq D + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_{sa}+\mathbf{n}-D-j_{sa}+1)} \sum_{j_i=j_s+s-}^{(l_{ik}-l-j_{sa}^{ik}+2)} \\ \sum_{n_i=n}^{n_{ik}=n_{is}+j_{sa}-j_{sa}^{ik}-s} \sum_{n_{ik}+j_s}^{(n_{ik}-j_i-j_{sa}^{ik}-\mathbb{k})} \frac{(n_{ik}-j_i-j_s-s)!}{(n_s+j_i-\mathbf{n}+j_{sa}^s) \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_s + s - 1 \leq j_i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{sa} + n - D - j_{sa} + 1), \dots, j_s = s - 1}^{(l_s - l - 1)} \sum_{(n_i - i + 1), \dots, (n_{is} = n + \mathbb{k} - s + 1)}^{(n_{ik} - i + 1), \dots, (n_{is} = n + \mathbb{k} - s + 1)}$$

$$\frac{(n_s + j_i - i - s)!}{(n_s + j_i - n - j_{sa})! \cdot (n_s + j_s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq s \wedge l_s \leq D - \mathbf{n} + \mathbb{k} \wedge$$

$$1 \bullet j_s \leq j_i - i + 1 \wedge$$

$$j_s - s - 1 \leq j_i \leq n$$

$$1 \bullet l_k - j_{sa}^i - 1 = l_s \wedge l_i - j_{sa}^i - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} (n_s - n_{is} + j_s + j_{sa}^{ik} - j_i - j_{sa}^{ik})$$

$$\frac{(i_i - j_s - 1)!}{(n_s + j_i - n_{is} - l_{sa})! \cdot (n_s + j_s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$< D - j_i - (n - n)) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_fzS_{j_s,j_i}^{DSST} = \sum_{k=l} \sum_{(j_s-s+1)} \sum_{j_i=s}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{n_i=n+s-j_s+1}^{(n_i-j_s+1)-j_s+1} \sum_{n_{ik}=n_is+j_{sa}^s-j_{sa}}^{n} \frac{(n_s-j_i-j_s-s)!}{(n_s+j_i-j_{sa})! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}.$$

$$\left( D - \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$s < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee \\ (D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge \\ 1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\ l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i \wedge l_i \leq D + s - \\ 1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge \\ 1 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_i - s + 1 > l_s \wedge \\ l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} > 0 \wedge \\ j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ s: \{j_{sa}^s, j_{sa}^i\}) \wedge \\ s \geq \omega \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge \\ j_{sa}^s \leq j_{sa}^i - 1 \wedge \\ s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

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$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^{ik})}^{(n_s-j_s+1)}$$

$$\frac{(i_i - j_s + 1)!}{(n_s + j_i - n_{is} - l_{sa})! \cdot (n_s + j_s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \wedge D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \dots$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k}) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s > s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_i-l-s+2)} \sum_{j_i=j_s+s-1}^{\infty}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \frac{(n_s + j_i - s)!}{(n_s + j_i - n - j_{sa}^s)! \cdot (n + j_{sa}^s - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(j_s - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D)}{(D + j_i - n - l_i)! \cdot (n - j_i)!} \end{aligned}$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\lfloor l_{ik} - l - j_{sa}^{ik} + 2 \rfloor} \sum_{(j_s=2)}^{} \sum_{j_i=j_s+s-}^{\lfloor l_{ik} - l - j_{sa}^{ik} + 2 \rfloor} \\ \sum_{n_i=n}^{\lfloor l_{ik} - l - j_{sa}^{ik} + 2 \rfloor} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{\lfloor l_{ik} - l - j_{sa}^{ik} + 2 \rfloor} \sum_{n_{ik}+j_s-n_i=j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\lfloor l_{ik} - l - j_{sa}^{ik} + 2 \rfloor} \\ \frac{(n_s - j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$\left( D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \in 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \in 2 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s + j_i - j_s - s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((\mathbf{l} > D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{ik} + s - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} > \mathbf{l}_s + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} + 1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{sa} > D + \mathbf{l}_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 1 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = 0$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_t}^{D_s} = \sum_{l=s}^n \sum_{(j_s=j_t-s+1)}^{\left(\right)} \sum_{j_i=l_i+n-D}^{t_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST}$$

$$\sum_{k=1}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n=n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n_i-j_s+1)}$$

$$\sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_k} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge i_s < D \wedge \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq \mathbb{x} - s + 1 \wedge$$

$$i_s + s - 1 \wedge j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbf{z}}: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\lfloor \frac{D}{s} \rfloor} \sum_{n_i=n-s+1}^{\lfloor \frac{D}{s} \rfloor} \sum_{n_s=n_i-k-j_s+1}^{(n_i-j_s+1)} \frac{\binom{n}{n_i-j_s+1} \binom{n}{n_s-j_s+1}}{(n_s - j_{sa}^s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$D > \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} + 1$$

$$2 \leq j_s \leq l - s + 1 \wedge$$

$$j_s + s - 1 \leq j_s < n \wedge$$

$$l_{ik} - j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s = j_i - s + 1)} \sum_{j_i = l_{ik} + r_{ik} - D - j_{sa}^{ik}}^{( )} \sum_{l_i - l + 1}^{( )} \\ \sum_{n_{ik} + j_s - j_{sa}^{ik} = n_{ik} + j_s + j_{sa}^{ik} - j_{sa} - \mathbb{k}}^{( )} \frac{(n_{i_s} - \mathbb{k} + 1)}{(n_{i_s} - \mathbb{k})!} \\ \frac{(n_{i_s} - j_i - \mathbf{n} - j_{sa})!}{(n_s - j_i - \mathbf{l} - 1)! \cdot (j_s - 2)!} \\ \frac{(l_s - l - 1)!}{(D + j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} + 1 \wedge$$

$$2 \bullet j_s \leq j_i - \mathbf{n} + 1 \wedge$$

$$j_s - \mathbf{n} + 1 \leq j_i \leq \mathbf{n}$$

$$l_k - j_{sa}^{ik} - 1 = l_s \wedge l_i - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_l-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(n_s-j_s+1)}$$

$$\frac{(n_s - l_i)!}{(n_s - l_i - j_s + 1) \cdot (n - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s + 1) \cdot (l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D - l_i - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$l_s - j_{sa}^{ik} + 1 \leq l_i \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$((D - \mathbf{n} < n \wedge I = 0) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)} \\ & \frac{(n_s-j_s)!}{(n_s+j_i-\mathbf{n}-j_{sa}^s)!(\mathbf{n}-j_i)!} \cdot \\ & \frac{(l_s-l-1)!}{(n_s+l-i-1)!\cdot(j_s-2)!} \cdot \\ & \frac{(D-j_i)!}{(D+j_i-\mathbf{n}-l_i)!\cdot(\mathbf{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - l_{ik} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge l_i - \mathbb{k} = 0) \wedge$$

$$j_s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge l_i = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_i - \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_s+\mathbf{n}+s-D-1}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s) \cdot (\mathbf{n} - j_i)}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - \mathbf{j}_s - s - 1)! \cdot (\mathbf{l} - 2)!}{(\mathbf{l}_s - j_s - s - 1)! \cdot (\mathbf{l} - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{l}_i - l_i)! \cdot (\mathbf{n} - j_i)}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0)$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s = \mathbb{v} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{v} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \leq \mathbb{s} \wedge \mathbb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=l_s+\mathbf{n}+s-D-1}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)}^{(\ )} \sum_{j_i=l_s+n+s-D-1}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}}^{\left(\mathbf{l}_i-\mathbf{l}-s+2\right)}\sum_{(j_s=\mathbf{l}_s+\mathbf{n}-D)}\sum_{j_i=j_s+s-1}^{}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2} \sum_{(j_s=\mathbf{l}_s+n-D)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

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$$D>\pmb{n}< n$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i-s+1 \wedge$$

$$j_s+s-1 \leq j_i \leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$\big((D \geq \pmb{n} < n \wedge I = \Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \pmb{s}=s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i-1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} = & \sum_{k=l}^{l_s} \sum_{(j_s=l_s+n-D)}^{(l_s-l+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)} \\ & \sum_{n_i=n+\Bbbk}^n \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )} \\ & \frac{(n_s-j_{sa}^s)!}{(n_s+j_i-\pmb{n}-j_{sa}^s)!\cdot(\pmb{n}-j_i)!}. \\ & \frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}. \\ & \frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{n_s, l_s, j_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=l_t+\mathbf{n}-s-D+1)} \sum_{j_l=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbf{z}}: z = 1) \Rightarrow$$

$$\begin{aligned} \mathcal{C}_{i_s, j_i}^{DSST} &= \sum_{k=l}^{\infty} \sum_{(l_t + n - s - D + 1)}^{(l_{ik} - l - j_i - 2)} \sum_{j_i=j_s+s-1}^{n} \\ &\quad \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )} \\ &\quad \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}. \\ &\quad \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}. \\ &\quad \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

**gündinyya**

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSS} = \sum_{(j_s = l_{ik} + j_{sa}^{ik} - s + 1)}^n \sum_{(j_i = j_s + s - 1)}^{(l_i - s + 1)} \sum_{n_i = n + \mathbb{k}}^{(n_i - j_s + 1)} \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{l_{ik}+n-j_{sa}^{ik}=s-1}^{(l_{ik}-j_{sa}^{ik}+1)} \sum_{j_i=j_s+s-1}^{(l_{ik}-j_{sa}^{ik}+2)}$$

$$\sum_{n_l=l_s+\mathbb{k}}^{n} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n-l_s+1)} \sum_{n_{ik}=l_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{(n-l_s+1)}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - j_s + 1 \wedge$$

$$2 \leq i \leq j_i - s$$

$$j_s + s - 1 \wedge j_i \leq \mathbf{n} \wedge$$

$$l_s - j_{sa}^{ik} - s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-s+1)}^{(l_s-l+1)} \sum_{(j_i=j_s+s-1)}^{(l_s-l+1)} \\ n_i=n+\mathbb{k}-j_s+1 \quad n_i=n+\mathbb{k}-j_s+1 \\ n_{ik}=n_{is}+j_{sa}^{ik} \quad n_{is}=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k} \\ (n_s - j_{sa}^s)! \\ (n_s + l_s - n - j_{sa}^s)! \cdot (n - j_i)! \\ (l_s - l - 1)! \\ (l_s - j_s - l + 1)! \cdot (j_s - 2)! \\ \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge I > D - n + 1 \wedge \\ 2 \leq l \leq D + l_s + s - n - l_i \wedge \\ l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee \\ (D \geq n < n \wedge l_s \leq D - n + 1 \wedge \\ 2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\lfloor \frac{n}{s} \rfloor} \sum_{i_s=j_i-s+1}^{\lfloor \frac{n}{s} \rfloor} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik} \quad (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \\ \frac{(n_s-j_{sa}^s)!}{(n_s+j_i-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}-j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D > \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_s \leq D + s - n - 1 \wedge$$

$$(D \geq n < n \wedge l_s > D - n - 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 < n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

**DÜNYA**

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = \mathbf{s} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^n\sum_{(j_s=j_i-s+1)}^{\left(\phantom{j_s}\right)}\sum_{j_l=l_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\phantom{n_{ik}}\right)}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee \end{aligned}$$

$$\begin{aligned} & (D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge \\ & D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + (s - \mathbf{n} - 1)) \wedge \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\ & j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\ & s: \{j_{sa}^s, j_{sa}^{ik}\} \wedge \\ & s \geq 3 \wedge s = s) \vee \\ & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\ & j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge \\ & s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge \\ & s \geq 3 \wedge s = s + \mathbb{k} \wedge \\ & \mathbb{k}_z: z = 1)) \Rightarrow \end{aligned}$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(\mathbf{l}_{ik} - \mathbf{l} - j_{sa}^{ik} + 2)} \sum_{(j_s = l_i + \mathbf{n} - D - s + 1)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s+1)}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s) \cdot (\mathbf{n} - j_i)}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - s - 1)! \cdot (\mathbf{l} - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{l}_i - l_i)! \cdot (\mathbf{n} - j_i)}.$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & \mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee \\ & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \end{aligned}$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$(l_i - s + 1 > l_s \wedge l_i - s + 1 > n \wedge I = k = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_i+s-1) \dots (j_s=s+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)} \\ \sum_{n_i=n+k-s+1}^n \sum_{n_l=n+k-j_s+1}^{(n_l-n+1)} \\ \frac{\sum_{n_{ik}=n_{is}+s-1-j_{sa}^{ik}}^{(n_s-j_{sa}^{ik})} (n_s=j_s+s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}{(n_s-j_{sa}^s)!} \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \\ \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$(\bullet \geq \mathbf{n} < n - 1, > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_s, j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{(n_i-s+1)} \sum_{j_l=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l} \\ & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_s-j_{sa}^s)} \\ & \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!} \cdot \\ & \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$((D > n < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1)) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(l_s-l+1\right)}\sum_{\left(j_s=\mathbf{l}_{ik}+\mathbf{n}-D-j_{sa}^{ik}+1\right)}\sum_{j_i=j_s+s-1}^{\left(l_s-l+1\right)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$

$D + s - n < l_i \leq D + l_s + s - n - 1))$

$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s = j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \cdot, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s + 1 \wedge$

$\mathbb{k}_z: z = 1)$

**DÜNYA**

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_s \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq (D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 0 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\lfloor l_{sa} - l - j_{sa} + 2 \rfloor} \sum_{(j_s = l_t + n - D - s + 1)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i = n + \mathbb{K}}^n \sum_{(n_{is} = n + \mathbb{K} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{(n_s = n_{ik} + j_{sa}^{ik} - j_i - l_{sa} - \mathbb{K})} \sum_{(n_{is} = n + \mathbb{K} - j_s + 1)}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - n_{is} - j_{sa}^s)! \cdot (n - j_i)!} \cdot$$

$$\frac{(l_{sa} - l + 1)!}{(l_{sa} - l + 1, j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(n_s + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$(D \geq n < n \wedge l_s > D - n + 1)$$

$$2 \leq l \leq D + l_s + s - n - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n - 1$$

$$l_{ik} - j_{sa}^{ik} + 1 \leq l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1)$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} \geq l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{K} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s = j_i - l + 1)}^{(\ )} \sum_{j_i = l_{sa} + n + s - l_{sa}}^{l_{ik} + s - l_{sa} + ik + 1} \sum_{n_i = n + s - l_{sa} + 1}^{n} \sum_{(n_i - j_s + 1)}^{(n_i - j_s + 1)} \\ \sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}}^{n_{ik} = n_{is} + j_{sa}^s - j_{sa}} \sum_{n_a = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}}^{(n_s - j_{sa}^s)!} \\ \frac{(n_s - j_{sa}^s)!}{(j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D > \mathbf{n} < n \wedge l_s > D - \mathbf{n} +$$

$$\leq l \leq \mathbf{l} + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + j_s = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{K} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{\substack{i = j_i - s + 1 \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}}}^{\left( \begin{array}{c} t_s \\ n_{ik} + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1) \end{array} \right)} \sum_{\substack{j_{sa}^s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k} \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}}}^{\left( \begin{array}{c} t_s \\ n_{ik} + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1) \end{array} \right)} \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!} \cdot \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}.$$

$$\begin{aligned} & (D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + s - \mathbf{n} - 1 - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & i + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee \end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{k=t \cup s=l_{sa}+n-D-j_{sa}+1}^{\infty} \sum_{j_i=j_s+s-1}^{(l-j_{sa}^{ik}+2)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\varsigma_{i_s, j_i}^{DSSR} \sum_{k=\mathbf{e} \cup s = l_{sa} + n - D - j_{sa} + 1} \sum_{j_i = j_s + s - 1}^{s - l - 1} \sum_{n_i = n + \mathbb{k}}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(\ )} \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^s j_s^{FST} = \sum_{k=l}^n \sum_{(j_s > j_i - s + 1)}^{l_i - l + 1} \sum_{j_i=s+1}^{l_i - l + 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_i} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$P_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=s+1}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \frac{(n_s-j_{sa}^s)!}{(n_s+j_i-\mathbf{n}-j_{sa}^s)! \cdot (\mathbf{n}-j_i)!} \cdot \frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_i \leq D + s - \mathbf{n} \wedge$$

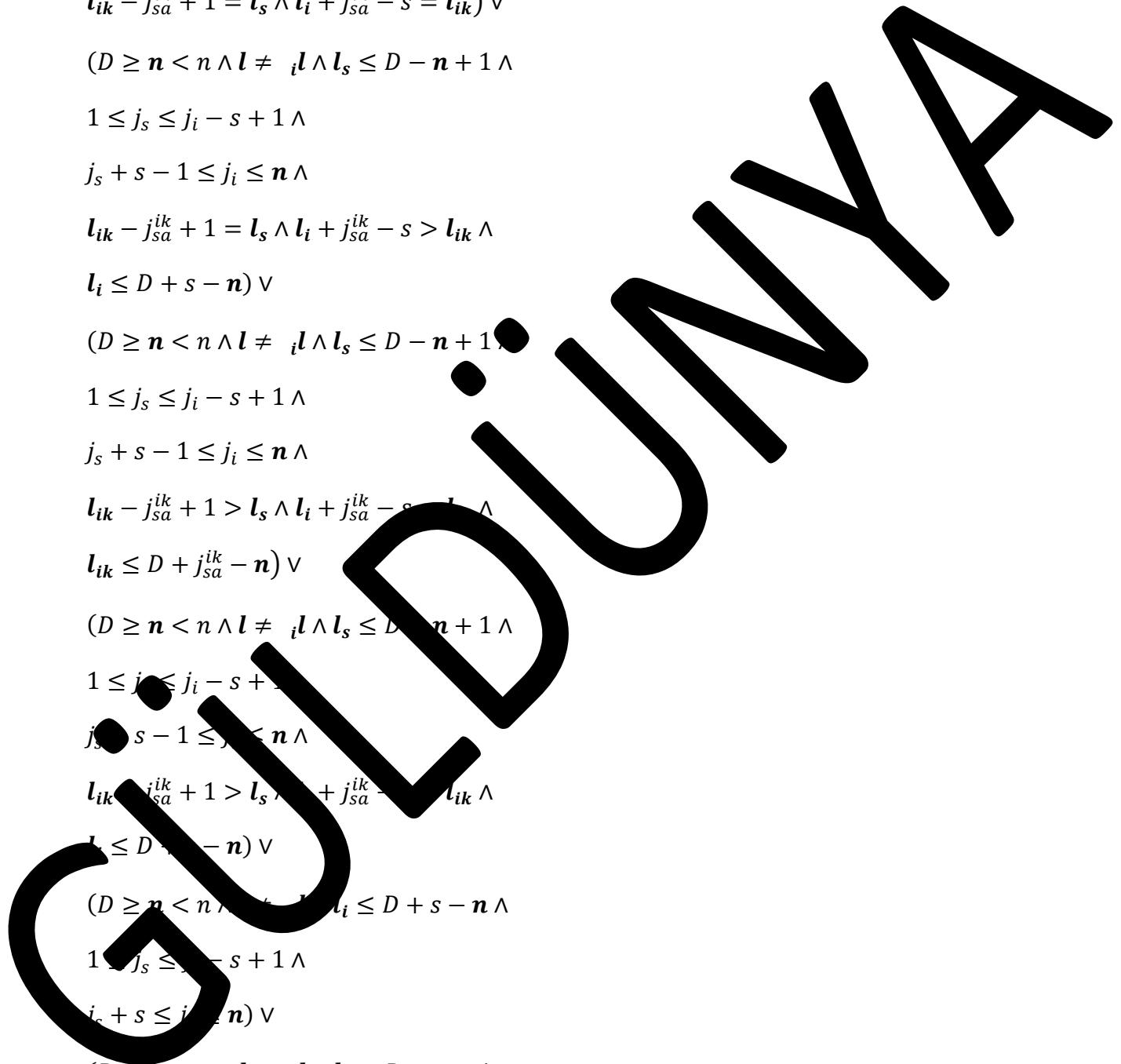
$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$


$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{J_s}^{SST} = \sum_{k=l}^{\infty} \sum_{(j_s - j_i - s + 1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$s > \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$350$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\textcolor{violet}{s}\!:\!\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge s=s) \vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\textcolor{red}{s}\!:\!\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \textcolor{blue}{s}\!:\!\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge s=s+\Bbbk \wedge$$

$$\Bbbk_z\!:\!z=1)\big)\Rightarrow$$

$$\begin{aligned}& f_Z S_{j_s} \\& \sum_{k=l}^{(l_i-s+2)} \sum_{i_s=s-1}^{n} \\& n \\& \sum_{n_i=n+\Bbbk(n_i=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \\& \sum_{n_k=n_is+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)} \\& \frac{(n_s-j_{sa}^s)!}{(n_s+j_i-\pmb{n}-j_{sa}^s)!\cdot(\pmb{n}-j_i)!}. \\& \frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}. \\& \frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!} \\& \Big((D\geq \pmb{n} < n \wedge l_s \leq D-\pmb{n} + 1 \wedge \\& 1\leq j_s \leq j_{sa}^s-s+1 \wedge \\& +s-s\leq j_i \leq \pmb{n} \wedge \\& \pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}) \vee \\& (D\geq \pmb{n} < n \wedge \pmb{l}\neq \textcolor{teal}{l} \wedge l_s \leq D-\pmb{n} + 1 \wedge \\& 1\leq j_s \leq j_i-s+1 \wedge\end{aligned}$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^s+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )} \frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l \neq i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_s-l+1)} \sum_{(j_s=s-1)}^{(n_i-s+1)}$$

$$n_{ik} + j_{sa}^s - j_{sa}^i - s = n_{ik} + j_{sa}^i - j_{sa}^s - \mathbb{k}$$

$$\frac{(-j_{sa}^s)!}{(n_s - j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D > D + l_s - \mathbf{n} - s) \vee$$

$$(D < n < n \wedge l_s \leq n - \mathbf{n} + s)$$

$$1 \leq j_s \leq n - s + 1 \wedge$$

$$j_s + s \leq j_i \leq$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i > D + l_s + s - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} > D + l_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{sa} > D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_i > D + l_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$l_{ik} > D + l_s + j_{sa} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i > D + l_s + s - \mathbf{n} - 1) \wedge$$

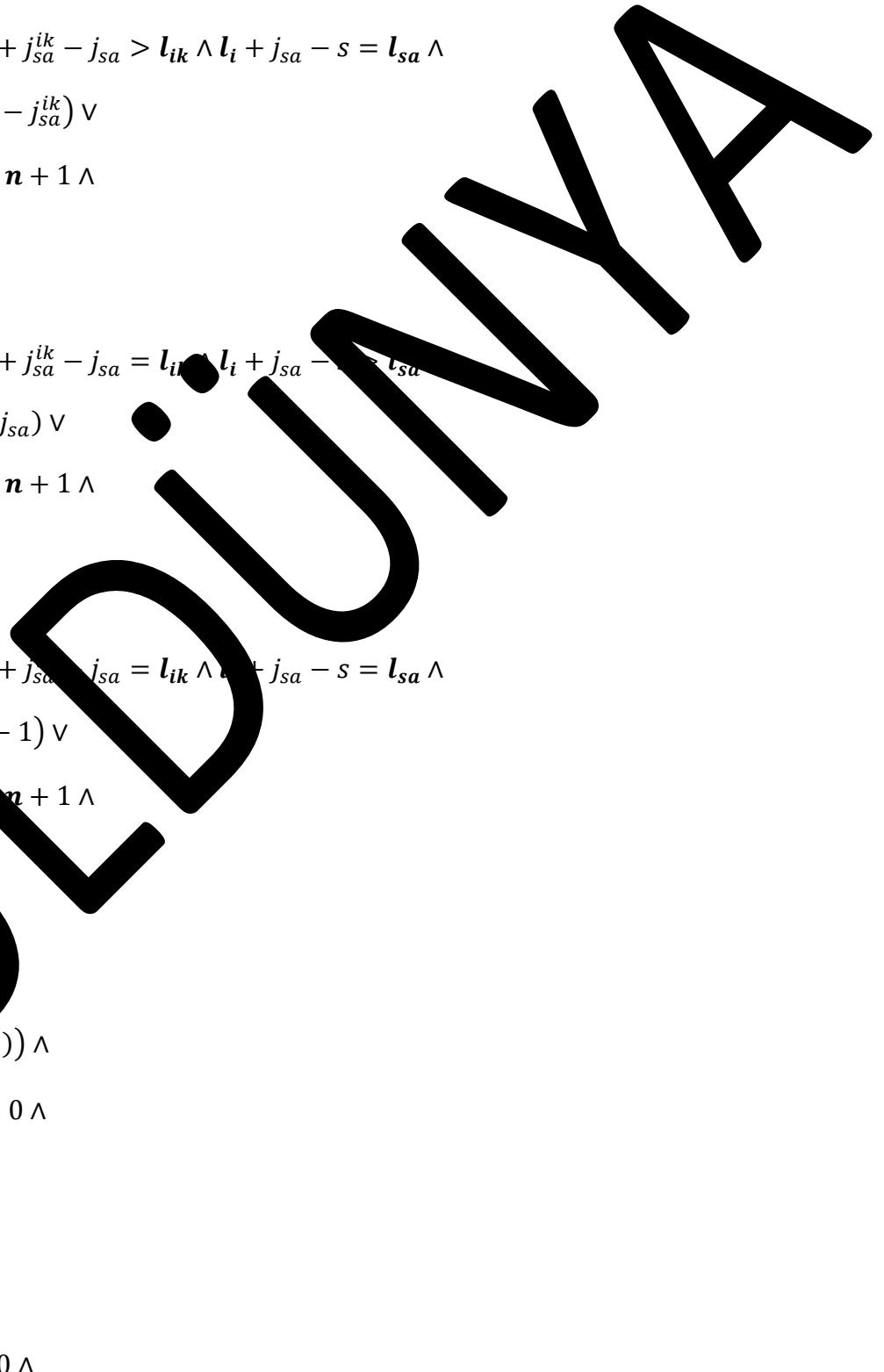
$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$



$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s = 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_i+\mathbf{n}-D}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}}\sum_{(j_s=j_i-s+1)}\sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{(\ )}{}_{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

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$$D>\pmb{n}< n$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s > D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz^{\omega}}\gamma_{j_i}^{SST}=\sum_{k=\pmb{l}}\sum_{(j_s=j_l-s+1)}\sum_{j_i=\pmb{l}_{ik}+\pmb{n}+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^n\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(n_i-j_s+1)}$$

$$\frac{(2\cdot n_{is}+j_s-n_s-j_i-s-2\cdot \Bbbk)!}{(2\cdot n_{is}+2\cdot j_s-n_s-j_i-\pmb{n}-2\cdot \Bbbk-j_{sa}^s)!\cdot (\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s > D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fz^{n_{is}-j_i} = \sum_{k=l}^{\infty} \sum_{(j_s=n_{is}-s+1)}^{n} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l+s-l-j_{sa}^{ik}+1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^{n} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSS} = \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{\infty} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty} \frac{(2 \cdot r_{j_s-n_s-j_i-s-2 \cdot \mathbb{k}})!}{(2 \cdot n_{is}+2 \cdot j_s-n_s-j_i-\mathbf{n}-2 \cdot \mathbb{k}-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq \mathbf{n} - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{\substack{(j_s = j_i - s + 1) \\ n_{is} + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1)}} \sum_{\substack{(j_s + 1) \\ n_{ik} + j_{sa}^s - j_{sa}^{ik} - s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}} \cdot$$

$$\frac{(2 \cdot n_{is} + 2 \cdot \mathbb{k} - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot \mathbb{k} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - s + 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + s = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-\dots)}^{\left(\right.} l_{ik} \sum_{i=l_s+n-\dots-D-1}^{l_{ik}-j_{sa}^{ik}+1} \sum_{n_i=n+\dots}^{n_i} \sum_{n_l=n+\dots-n=\dots}^{(n_l)} \\ n_{ik}=n_{is}+j_{sa}^{ik} (n_s=\dots+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \\ \frac{(2 \cdot n_{is} + i - n_s - j_i - \dots - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot i - n_s - j_i - \dots - 2 \cdot \mathbb{k} - \dots)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge I > D - l - 1 \wedge$$

$$2 \leq i \leq j_i - s + 1 \wedge$$

$$i + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq 1 \wedge l_{ik} - j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(\mathbf{n} \geq \mathbf{n} - n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_s+n+s-D-1}^{l_s+s-l} \frac{\sum_{n_i=1}^n \sum_{n_{ik}=n_is+j_s+1}^{(n-i_s-j_s+1)} \frac{(2 \cdot n_{is} + j_s - l_s - i_s - j_i - n - l_i - \mathbb{k} - j_{sa}^s) \cdot (n + j_{sa}^s - j_s - s)!}{(2 \cdot n_{is} + 2 \cdot j_s - l_s - i_s - j_i - n - l_i - \mathbb{k} - j_{sa}^s) \cdot (n + j_{sa}^s - j_s - s)!}}{\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}.$$

$$D \geq n < n \wedge l_s > D - n + 1,$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - s - 1 \leq j_s \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - 1 + j_{sa}^{ik} - l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s, j_i}^{DSST} &= \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=l_s+\mathbf{n}-D)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ &\quad \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_s=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ &\quad \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_{sa}^s-j_{sa}^{ik}-j_i-\mathbf{n}+\mathbb{k})} \\ &\quad \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (n_s + j_{sa}^s - j_s - s - \mathbb{k})!} \cdot \\ &\quad \frac{(l_s - l + 1)!}{(l_s - l + 1, \dots, l_s - 2)!} \cdot \\ &\quad \frac{(D - l_i)!}{(n_s + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_i + j_{sa}^{ik} - s = \mathbf{n} \wedge$$

$$(l_s - l + 1, \dots, l_s - 2) \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$s \in \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 3, 4 \wedge$$

$$(D \geq \mathbf{n} - \mathbb{k} \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 2 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_s+n-D)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} (n_s=n_{ik}+j_s+j_{sa}^{ik}-n_{is}-j_{sa}^s)$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s) \cdot (\mathbf{n} + j_{sa}^s - s - s)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s) \cdot (\mathbf{n} + j_{sa}^s - s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(n_{is} - l + 1) \cdot (j_s - 2)!} \\ \frac{(D - l)_!}{(D + j_s - \mathbf{n} - l_i)_! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - n_{is} = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge l_s - l_i = 0 \wedge$$

$$j_s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge l_i = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s - l_i = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s - l + 1)} \sum_{(j_s = l_s + \mathbf{n} - D)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - l - \mathbb{j}_s - s - 1)! \cdot (\mathbf{l}_i - l_i - \mathbb{j}_i - i - 2)!}{(\mathbf{l}_s - j_s - s - 1)! \cdot (\mathbf{l}_i - j_i - i - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i - s)!}.$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \in 2 \wedge s = \mathbb{v} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \in \mathbb{v} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=l_i+n-s-D+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{(\mathbf{l}_{ik} - \mathbf{l} - j_{sa}^{ik} + 2)} \sum_{(j_s = \mathbf{l}_i + \mathbf{n} - s - D + 1)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_t)!}{(D + j_i - \mathbf{n} - \mathbf{l}_t)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = \mathbf{l}_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(\mathbf{l}_t - \mathbf{l} - s + 2)} \sum_{j_i = j_s + s - 1}^{(n_i - j_s + 1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_i \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = \mathbf{l}_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(\mathbf{l}_{ik} - \mathbf{l} - j_{sa}^{ik} + 2)} \sum_{j_i = j_s + s - 1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_s=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l})!}$$

$$\frac{(D - \mathbf{l}_t)!}{(D + j_i - \mathbf{n} - \mathbf{l}_t)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_s \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}}^{\mathbf{l}_s-\mathbf{l}+1}\sum_{(j_s=\mathbf{l}_{ik}+\mathbf{n}-j_{sa}^{ik}-D+1)}^{(\mathbf{l}_s-\mathbf{l}+1)}\sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\begin{aligned}
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{} \\
 & \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l)!} \\
 & \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \\
 & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \wedge \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \wedge \\
 & (D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \\
 & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\
 & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
 & s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge \\
 & s \geq 2 \wedge s \neq 3) \vee \\
 & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\
 & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
 & s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge \\
 & s \geq 3 \wedge s = s + \mathbb{k} \wedge
 \end{aligned}$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$$\begin{aligned}
{}_{fz}S_{j_s, j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1} \\
& \sum_{n_i=n+k}^n \sum_{(n_{is}=n+k-j_s+s)}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-l_i+j_{sa}-k)}^{(n_i-j_s+1)} \\
& \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - l - k)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot l - j_{sa}^s)! \cdot (n_{is} - j_{sa}^s - j_s - s)!} \cdot \\
& \frac{(l_s - j_s - l + 1, \dots, l_s - 2)!}{(l_s - j_s - l + 1, \dots, l_s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(n - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
\end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n$$

$$(l_{ik} - j_{sa}^{ik} + 1 > 1 \wedge l_i + j_{sa}^{ik} - s > l_i) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$(l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} & f_z S_{j_s, s}^D \sum_{k=l \cup s+1}^{l_s+s-l} \sum_{n_i=n+\mathbb{k} (n_{is}=n+\mathbb{k}-j_s+1)}^{l_s+s-l} \\ & \sum_{n_i=n+\mathbb{k} (n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_k=j_{sa}^s-j_{sa}^{ik})} \\ & (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}) \\ & \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ & \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} > 0 \wedge \mathbf{n} + 1 \wedge \\ & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\ & 2 \leq j_s \leq \mathbf{n} + s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \end{aligned}$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_Z^{DSST} = \sum_{k=l}^{(l_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{(j_s=\mathbf{l}_i+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

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$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$(D + s - \mathbf{n} < \mathbf{l}_i \leq D + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$(D + j_{sa}^{ik} - \mathbf{n} < \mathbf{l}_{ik} \leq D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_t+n-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \wedge (D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = \mathbb{M} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{M} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^{is})}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})}^{(\infty)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^{is})! \cdot (\mathbf{n} + j_{sa}^{is} - s)!}.$$

$$\frac{(l_s - l - 1)!}{(n_{is} - l + 1)! \cdot (j_s - 2)!} \\ \frac{(D - l)!}{(D + j_s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+\mathbf{n}-j_{sa}^{ik}+1)}^{(l_s-l+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)} \\ n_{ik} = n_{is} + j_{sa}^{ik} - l_{sa}^{ik} (n_s = n_{is} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\ \frac{(2 \cdot n_{is} + 2 \cdot j_{sa}^s - n_s - j_i - \mathbb{k} - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_{sa}^s - n_s - j_i - \mathbb{k} - 2 \cdot \mathbb{k} - 1)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(\bullet \geq \mathbf{n} < n \wedge \bullet > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\lfloor \frac{n}{2} \rfloor} \sum_{\substack{i_s = j_i - s + 1 \\ k = i_s - j_s}} \sum_{j_i = l_i + n - D}^{l_{sa} + s - l - j_{sa} + 1}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_{ik}} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(n_i - j_s + 1)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(n_{is} + \dots + n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{zS_{j_s,j_i}^{DSST}} = \sum_{k=l}^{\mathbf{l}_{sa}-\mathbf{l}-j_{sa}+2} \sum_{(j_s=\mathbf{l}_i+\mathbf{n}-D-s+1)}^{} \sum_{j_i=j_s+s-1}^{(l_{sa}-l-j_{sa}+2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$D + s - n < l_i \leq D + l_s + s - n - l_i \wedge$

$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$

$\mathbb{k}_z: z = 1)$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^n \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_s \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{sa} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

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$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$\mathbf{n} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{\mathbb{Z}} \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+n+s-D-j_{sa}}^{l_s+s-l}$$

$$\begin{aligned}
& \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\mathbf{n}\right)} \\
& \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\
& \frac{(l_s - l - j_s - s - 1)! \cdot (l_i - l - j_i - s - 2)!}{(l_s - j_s - s - 1)! \cdot (l_i - j_i - s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - l_i - l_s - l_i)! \cdot (\mathbf{n} - j_s - s)!} \\
& ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
& 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
& 2 \leq j_s \leq j_i - s + 1 \wedge \\
& j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge \\
& (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
& 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
& 1 \leq j_s \leq j_i - s + 1 \wedge \\
& j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
& l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^s - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge \\
& D + s - \mathbf{n} < l_i \leq D + s - (\mathbf{n} + s - 1) \wedge \\
& ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\
& j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
& s \in \{j_{sa}^s, j_{sa}^i\} \wedge \\
& s \geq 2 \wedge s = s) \vee \\
& (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\
& j_{sa}^s \leq j_{sa}^i - 1 \wedge
\end{aligned}$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_{sa}+\mathbf{n}-D-j_{sa}+1)} \sum_{j_i=j_s+s-}^{(l_{ik}-l-j_{sa}^i+2)} \\ \sum_{n_i=n_{is}+j_s-j_{sa}+1}^n \sum_{n_{ik}=n_{is}+j_s-j_{sa}+1-n_i+j_s}^{(l_{ik}-j_i-j_{sa}^s-\mathbb{k})} \frac{(2 \cdot n_{is} + j_s - n_i - l_i - \mathbf{n} - \mathbb{k} - j_{sa}^s)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_s < j_i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

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$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l-1)} \sum_{(j_s = l_{sa} + n - D - j_{sa} + 1), \dots, j_s = s+1}^{(l_s-l-1)} \sum_{(n_i - l_i + 1), \dots, (n_{is} - l_{is} + 1)}^{(n_i - l_i + 1), \dots, (n_{is} - l_{is} + 1)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - l_s - s - \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - l_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (s + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \bullet j_s \leq j_i - l_i + 1 \wedge$$

$$j_s - l_s - 1 \leq j_i \leq n - l_i \wedge$$

$$1 \bullet l_k - j_{sa}^s - 1 = l_s \wedge l_i - j_{sa}^s - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_{is}-j_s+j_{sa}^s+j_{sa}^{ik}-j_i-j_{sa})}^{(n_i-j_s+1)}$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - l_s - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - l_s - \mathbf{n} - 2 \cdot \mathbb{k} - l_{sa})! \cdot (j_s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_i \leq D - \mathbf{n} + 1) \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_i \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + 1 \leq j_i \leq \mathbf{n}$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$< D + 1 - \mathbf{n}) \wedge$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s-s+1)}^{l_{ik}+s-j_{sa}^{ik}+1} \sum_{j_i=s}^{n_i-j_s+1} \sum_{n_i=n+1}^{n-(j_s-s+1)} \sum_{n_{ik}=n_is+j_{sa}^s-j_{sa}}^{n-is+j_{sa}^i-j_{sa}-\mathbb{k}} \frac{(j_s-s-j_i-s-2 \cdot \mathbb{k})!}{(2 \cdot n_{is}-2 \cdot j_s-n_s-\mathbf{n}-\mathbf{l}+1-j_{sa}^s)! \cdot (\mathbf{n}+j_{sa}^s-j_s-s)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\left( D - n < n \wedge l \neq l_s \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \vee$$

$$n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_i \leq D + s - 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\}$$

$$s \geq \omega \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n-\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} (n_s - n_{is} + j_s + j_{sa}^{ik} - j_i - j_{sa}^{ik})$$

$$\frac{(2 \cdot n_{is} + j_s - n_s - l_s - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - l_s - n - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (j_s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D - j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l \neq l_i \wedge l_s \wedge D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \dots$$

$$l_s - j_{sa}^{ik} + 1 \leq l_s \wedge l_i + j_{sa}^{ik} - s = l_s \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k}) = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^l - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s > 0) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^l - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\begin{aligned} & \sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{ls}+j_{sa}^s-j_{sa}^{ik}}^{(n_i-j_s+1)} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k}) \\ & \frac{(2 \cdot n_{ls} + j_s - n_s - j_i - s - 2)!}{(2 \cdot n_{ls} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^{ik})! \cdot (\mathbf{n} + j_{sa}^{ik} - s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(j_s - l + 1)! \cdot (j_s - 2)!} \\ & \frac{(D)}{(D + j_s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq l_i) \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq l_i) \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \Big)$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{M} = 0 \wedge \right.$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=2)}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-}^{n} \sum_{n_i=n}^{n-j_s+1} \sum_{n_k=n_i+j_s-s}^{n-k-j_i-j_{sa}^s-\mathbb{k}} \frac{(2 \cdot n_{is} + j_s - n_s - j_i - \mathbf{n} - \mathbb{k} - j_{sa}^s)!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$\left( D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \in \mathbb{Z} \wedge s = 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \in \mathbb{Z} \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{n_i-j_s+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\begin{aligned}
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{} \\
 & \frac{(2 \cdot n_{is} + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_{is} + 2 \cdot j_s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\
 & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l)!} \\
 & \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
 \end{aligned}$$

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$$\begin{aligned}
 & ((l > D + l_s + s - \mathbf{n} - l_i) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\
 & l_i > D + l_{ik} + s - \mathbf{n} - j_{sa}^{ik}) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\
 & l_{ik} > l_s + l_s + j_{sa}^{ik} - \mathbf{n} + 1) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s \leq j_i \leq \mathbf{n} \wedge \\
 & l_{sa} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge \\
 & l_{sa} > D + l_{ik} + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge
 \end{aligned}$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 1 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = 0$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_t}^{D, \mathbb{k}} = \sum_{i=l}^n \sum_{(j_s=j_t-s+1)}^{\left(\right)} \sum_{j_i=l_i+n-D}^{t_i-l+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\right)}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$400$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=j_s(j_i-s+1)}^{( )}\sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\Bbbk}^n\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )}(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)$$

$$\frac{\left(3\cdot\gamma_1+j_s+j_{sa}^s-n_{ik}-n_s-j_i-j_{sa}^{ik}-s-2\cdot\Bbbk\right)!}{(n_{is}+2\cdot j_s-n_{ik}-n_s-j_i-\pmb{n}-j_{sa}^{ik}-2\cdot\Bbbk)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!} \cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!} \cdot$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_t}^{D_s} = \sum_{l=s}^n \sum_{(j_s=j_t, s+1)} \sum_{j_i=l_i+n-D}^{l_s+s-l}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$402$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_l=j_i-s+1)}^{(n_i-j_i+1)} \sum_{j_l=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_i-l+1}$$

$$\sum_{n_i=n+\Bbbk}^n \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(n_i-j_s+1)}$$

$$\frac{(3\cdot n_i + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2\cdot \Bbbk)!}{(n_{is} + 2\cdot j_s - n_{ik} - n_s - j_i - \pmb{n} - j_{sa}^{ik} - 2\cdot \Bbbk)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!} \cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=s+1)}^{(n-s+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq n < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$404$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_i-s+1)}^{(n_i)} \sum_{j_l=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-l} \sum_{n_i=n+\Bbbk}^n \sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{( )} \frac{(3\cdot n_{is}+j_s+j_{sa}^s-n_{ik}-n_s-j_i-j_{sa}^{ik}-s-2\cdot \Bbbk)!}{(n_{is}+2\cdot j_s-n_{ik}-n_s-j_i-\pmb{n}-j_{sa}^{ik}-2\cdot \Bbbk)!} \cdot \\ \frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!} \cdot \\ \frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot (j_s-2)!} \cdot \\ \frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot (\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{l_i - i + 1} \sum_{s=j_i - s + 1, j_i = l_s + n + s - D - 1}^{l_i - i + 1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}_s}^{l_{ik}}\sum_{j_i=j_i-s+1}^{j_i-s+1}\sum_{j_i=l_s+n+s-D-1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(3 \cdot \mathbf{l}_s + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{l_s+s-l} \sum_{j_s=j_i-s+1, j_i=l_s+n+s-D-1}^{( )} \sum_{n_i=n+\mathbb{k}}^{l_s+s-l} \sum_{(n_i=j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$408$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n}< n\wedge I=\Bbbk=0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n}< n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz}S_{j_s,j_{l'}}^{DS}=\sum_{l=l'}^{\left(l_i-l-s+2\right)}\sum_{(j_s=l_s+n-D)}\sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=n+\Bbbk}^n\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )}$$

$$\frac{\left(3\cdot n_i+j_s+j_{sa}^s-n_{ik}-n_s-j_i-j_{sa}^{ik}-s-2\cdot \Bbbk\right)!}{n_{is}+2\cdot j_s-n_{ik}-n_s-j_i-\pmb{n}-j_{sa}^{ik}-2\cdot \Bbbk)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n}< n\wedge \pmb{l}_s> D-\pmb{n}+1\wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSS} \sum_{(j_s = l_s + n - D)} \sum_{j_i = j_s + s - 1}^{(-l - j_{sa}^{ik} + 2)}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_{ik}} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$410$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{fz}S_{j_s,j_l}^{DS}=\sum_{l=1}^n\sum_{(j_s=l_s+n-D)}^{(l_s-l+1)}\sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\sum_{n_i=n+\Bbbk}^n\sum_{(n_{is}=n+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\ )}$$

$$\frac{\left(3\cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2\cdot \Bbbk\right)!}{n_{is} + 2\cdot j_s - n_{ik} - n_s - j_i - \pmb{n} - j_{sa}^{ik} - 2\cdot \Bbbk)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{l-s+2} \sum_{l_t = l_i + n - s - D + 1}^{l-s+2} \sum_{j_i = j_s + s - 1}^{l-s+2}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_s} \sum_{(n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=l_i}^{(n_i-l_i-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(n_i-j_{sa}^{ik})}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_{sa}+n-j_{sa}^{ik}-D+1)}^{(n-s+2)} \sum_{j_i=j_s+s-1}^{(n-i-s+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$414$$

$$D>\pmb{n} < n$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik}\wedge$$

$$\big((D\geq \pmb{n}< n\wedge I=\Bbbk=0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D\geq \pmb{n}< n\wedge I=\Bbbk>0\wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\mathcal{S}_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=n+\Bbbk-j_{sa}^{ik}-D+1)}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{n} \sum_{n_i=\pmb{n}+\Bbbk}^n \sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{\left(\right.} \\ \frac{(3\cdot j_s+j_s+j_{sa}^s-n_{ik}-n_s-j_i-j_{sa}^{ik}-s-2\cdot \Bbbk)!}{(n_{is}+2\cdot j_s-n_{ik}-n_s-j_i-\pmb{n}-j_{sa}^{ik}-2\cdot \Bbbk)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n}< n\wedge \pmb{l}_s> D-\pmb{n}+1\wedge$$

$$2\leq j_s\leq j_i-s+1\wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_{sa}^{ik} = n - j_{sa}^{ik} - D + 1)}^{l+1} \sum_{j_i = j_s + s - 1}^{n_i - j_s + 1}$$

$$\sum_{n_i = n + \mathbb{k}}^n \sum_{(n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)}$$

$$\sum_{n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik}}^{n_{ik}} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})$$

$$\frac{(3 \cdot n + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l_s > D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^u, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + 1 \wedge$$

$$\mathbb{k} \cdot z = 1)$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=\mathbf{l}}\sum_{(j_s=j_i-s+1)}^{\textcolor{black}{(\quad)})}\sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1}\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\textcolor{black}{(\quad)})}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i - 1)!} \cdot$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s - 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$

$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\}$$

$$s \geq 3 \wedge I = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_l=l_i+n-D}^{l_s+s-l}$$

$$\sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ls}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-\mathbb{k})}^{(\infty)}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i + j_{sa}^{ik} - s - \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i + j_{sa}^{ik} - \mathbb{k})!}.$$

$$\frac{1}{(n + \mathbb{k} - j_s - s)!}$$

$$\frac{(l_s - l)^{l_s - l}}{(l_s - l - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)^{D - l_i}}{(D - l_i - j_i - n - l_i)! \cdot (n - j_i)!}.$$

$$((D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{(i_s = l_i + n - D - 1)} \sum_{j_i = j_s + s - 1}^{(l - j_{sa}^{ik} + 2)} \sum_{n_t = \mathbf{n} + \mathbb{k}}^{(i_s + 1)} \sum_{n_{is} = \mathbf{n} + \mathbb{k} - j_s + 1}^{(i_s + 1)} \\ \sum_{n_{ik} = j_{sa}^s - j_{sa}^{ik}}^{+} \sum_{i_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}}^{( )} \frac{(3 \cdot n_{is} + j_s - j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(\mathbf{n} + n_{is} + 2 \cdot \mathbb{k} - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\ \frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((\mathbf{l} \geq \mathbf{n}) \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D - l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - n < l_{ik} = D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(l_s-l+1\right)}\sum_{\left(j_s=l_i+\mathbf{n}-D-s+1\right)}\sum_{j_i=j_s+s-1}^{}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{\left(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1\right)}^{\left(n_i-j_s+1\right)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{\left(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}\right)}^{\left(\right)}$$

$$\frac{\left(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k}\right)!}{\left(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k}\right)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + (s - \mathbf{n} - 1)) \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$   
 $s: \{j_{sa}^s, j_{sa}^{ik}\} \wedge$   
 $s \geq 3 \wedge s = s) \vee$   
 $(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$   
 $s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$   
 $s \geq 3 \wedge s = s + \mathbb{k} \wedge$   
 $\mathbb{k}_z: z = 1) \Rightarrow$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)} \sum_{j_i=\mathbf{l}_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{\mathbf{l}_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{(\ )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^s - 2 \cdot \mathbb{k})!}.$$

$$\frac{(n-s-\mathbb{k}-s)!}{(n-s-\mathbb{k}-l-1)! \cdot (j_s-2)!}.$$

$$\frac{(j_s-j_i-1)! \cdot (j_s-2)!}{(D-n_i-\mathbf{n}-l_i) \cdot (\mathbf{n}-j_i)!}.$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1)) \wedge$$

$$(\mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_{ik} + \mathbf{n} - n_{ik} + 1)}^{(j_i = l_{ik} + s - 1)} \sum_{n_i = n + \mathbb{k} - j_s + 1}^{(n_i = n + \mathbb{k} - j_s + 1)} \\ n_{ik} = n_{is} + j_{sa}^s - j_{sa}^{ik} (n_s = n_{is} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}) \\ \frac{(3 \cdot n_{is} + j_s - j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\ \frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$D>\pmb{n} < n$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s\wedge \pmb{l}_{sa}+j_{sa}^{ik}-j_{sa}=\pmb{l}_{ik}\wedge \pmb{l}_i+j_{sa}-s>\pmb{l}_{sa}\wedge$$

$$D+s-\pmb{n}<\pmb{l}_i\leq D+\pmb{l}_s+s-\pmb{n}-1)\big)\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk=0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$${}_{f_Z}S_{j_S,\mathcal{L}}^{\text{SET}}=\sum_{l=s}^n\sum_{(j_S=j_i-s+1)}^{\left(\right.\right)}\sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=\pmb{n}+\Bbbk}^n\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{\left(\right.\right)}$$

$$\frac{\left(3\cdot n_{is}+j_s+j_{sa}^s-n_{ik}-n_s-j_i-j_{sa}^{ik}-s-2\cdot \Bbbk\right)!}{\left(3\cdot n_{is}+2\cdot j_s-n_{ik}-n_s-j_i-\pmb{n}-j_{sa}^{ik}-2\cdot \Bbbk\right)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-j_s-s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$\big((D\geq \pmb{n} < n \wedge \pmb{l}_s>D-\pmb{n}+1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + 1 \wedge$$

$$\mathbb{k}_z: z = 0 \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_t+n-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l} + 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge l_s = l_{sa} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^{ik}\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{ik} - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^{ik}\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^{ik}\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_{sa}^{ik}-l_i-j_{sa}-\mathbb{k})}^{(n_i-j_s+1)} \\ \frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_{sa} - l_i - n_{is} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - n_{is} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot \\ \frac{(n + j_{sa}^s - j_s - s)!}{(n + j_{sa}^s - j_s - s)!} \cdot \\ \frac{(s - l - 1)!}{(s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i + s - 1 + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i + s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_s + s - 1 \leq j_i - 1 \wedge$   
 $\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$   
 $s \geq 2 \wedge s = s) \vee$   
 $(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+n_{is}-D-j_{sa}}^{\infty} \sum_{l_s+s-l}^{\infty}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - l_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - l_i - j_{sa}^{ik} - 2 \cdot \mathbb{k})!} \cdot$$

$$\frac{1}{(n + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l_s \leq D - n + 1) \wedge$$

$$2 \leq l \leq 2 + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - s + 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + l_i = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$fz^{\omega}j_{sa}^{SST} = \sum_{k=l} \sum_{(j_s=s+1+n-D-j_{sa}+1)}^{(l_{ik}-l-j_{sa}^s)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_i-j_s+1)}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$${}_{fz}S_{j_s}^{i,k,n-D} = \sum_{k=l}^{l_s-l-1} \sum_{(j_s=l_{sa}+n-D-j_{sa}+1)}^{(l_s-l-1)} \sum_{j_i=j_s+s-1}^{(l_s-l-1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\ )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{\mathbf{n}} \sum_{(j_s=j_i-s+1)}^{\mathbf{(})} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\mathbf{(})} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\mathbf{(})}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \right) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \bullet 3 \wedge \mathbf{s} = s \wedge \mathbb{k} \wedge$$

$$\mathbb{k}_{z, \mathbf{z}} = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=j_i-s+1)} \sum_{j_i=s+1}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - s)!}.$$

$$\frac{(D - \mathbf{l})!}{(D + j_i - \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - j_i)!}.$$

$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n}) \vee$

$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} \leq D + s - \mathbf{n}) \vee$

$((D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n}) \vee$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s +$$

$$\mathbb{k}_{\bullet}(z=1)) \cdot$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(\right)}\sum_{(j_s=j_i-s+1)}\sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{l_s+s-l}$$

$$\frac{\left(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k}\right)!}{\left(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k}\right)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i - 1)!} \cdot$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{\mathbf{l}_i - \mathbf{l} - s + 2} \sum_{(j_s=2)}^n \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \leq 2 \wedge s = s_1 \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \leq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1 \rangle \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s=2)}^{(\mathbf{l}_{ik}-\mathbf{l}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s+1)}$$

$$\frac{(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^s - 2 \cdot \mathbb{k})!}.$$

$$\frac{(n - s - l - s)!}{(n - s - l - 1)! \cdot (j_s - 2)!}.$$

$$\frac{(l_s - j_s - s - 1)! \cdot (j_s - 2)!}{(D - i_s - \mathbf{n} - l_i) \cdot (\mathbf{n} - j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - 1 \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = \mathbf{s} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\mathbf{l}_s-\mathbf{l}+1}\sum_{(j_s=2)}^{\mathbf{l}_s}\sum_{j_i=j_s+s-1}^{(\mathbf{l}_s-\mathbf{l}+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\mathbf{l}_s)}$$

$$\frac{\left(3 \cdot n_{is} + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k}\right)!}{\left(3 \cdot n_{is} + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k}\right)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - j_s - s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!} \cdot$$

$$((\mathbf{l} > D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_{ik} + s - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - s - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{sa} > D + \mathbf{l}_s + j_{sa} - \mathbf{n} - j_{sa}^{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$$

$\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$   
 $\mathbf{l}_i > D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^i - 1 \wedge$   
 $s: \{j_{sa}^s, j_{sa}^i\} \wedge$   
 $s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^i - 1 \wedge$   
 $s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 3 \wedge s = s + \mathbb{k} \wedge$   
 $\mathbb{k}_z: z = 1)$   
 $D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$   
 $((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$$_{fz}S_{j_s, j_i}^{DSST} = 0$$

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$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{n_i=n+\mathbb{k} (n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{l_i+l+1=l+j_s+1}^{l_i-l+1} f_z S_{j_s, l}^D$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < r \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$z \geq j_s \geq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} f_z S_{j_s, j_i}^{DSST} &= \sum_{k=n_{is}+j_i-s+1}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^{n-D} \\ &\quad \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{(n_i-j_s+1)} \\ &\quad \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \\ &\quad \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\ &\quad \frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot \\ &\quad \frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} D &\geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\ 2 - j_s &\leq j_i - s + 1 \wedge \\ j_s + s - 1 &\leq j_i \leq \mathbf{n} \wedge \end{aligned}$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
& f_z S_{j_s, l_i}^{D, l_s} = \sum_{n_i=n+\mathbb{k}}^{\infty} \sum_{(n_i-j_s+1)}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{\infty} \\
& \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})} \\
& \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\
& \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}
\end{aligned}$$

$$D \geq n < r \wedge l_s > D - n + 1 \wedge$$

$$z \geq j_s \geq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Big) \Rightarrow$$

$$\begin{aligned}
f_z S_{j_s, j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(i_j - s + 1, j_s) \in \Delta_{j_s}} \sum_{l_i - l + 1}^{\infty} \\
& \quad \sum_{n_i = n + \mathbb{k} (n_{is} - n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \\
& \quad \sum_{n_{ik} = n_i + j_{sa}^s - j_{sa}^{ik} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{\infty} \\
& \quad \sum_{j_{sa}^{ik} = j_{sa}^s - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s}^{\infty} \\
& \quad \frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot
\end{aligned}$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < r \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(n_i-s+1), j_i}^{} \sum_{n_i=n+k}^{} \sum_{(n_i-j_s+1)}^{} \sum_{n_i=n+k-(n_{is}=n+k-j_s+1)}^{} \sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k)}^{} \frac{(2 \cdot n_i + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot k - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_i + 2 \cdot j_{sa}^{ik} - n_s - j_i - n - 2 \cdot k - 3 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = k = 0 \wedge$$

$$450$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$f_z S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\left(\atop{ }\atop{ }\right)} \sum_{\substack{i_s=j_s-s+1, j_s-i_s+l-k \\ n_i=n+k}} \sum_{\substack{l_s+s-l \\ n_i=n+k-(n_{is}=n+\Bbbk-j_s+1)}} \sum_{\substack{(n_i-j_s+1) \\ n_i=n+(n_{is}=n+\Bbbk-j_s+1)}} \sum_{\substack{(n_s=j_{sa}^s-j_{sa}^{ik}) \\ n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk}} \frac{(2\cdot n_{ik}+j_s+2\cdot j_{sa}^{ik}-n_s-j_i-s-2\cdot \Bbbk-2\cdot j_{sa}^s)!}{(2\cdot n_{ik}+j_s+j_{sa}^{ik}-j_{sa}^s-n_s-j_i-\pmb{n}-2\cdot \Bbbk-3\cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!} \cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!} \cdot$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s > D-\pmb{n}+1 \wedge$$

$$2-j_s\leq j_i-s+1 \wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=0}^{\lfloor \frac{j_i - s}{2} \rfloor} \sum_{l_i=s-D-1}^{l_i-l+1} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{(n_i-j_s+1)} \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < r \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$z \geq j_s \geq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=0}^{( )} \sum_{n_i=n+ \mathbb{k} (n_{is}=n+\mathbb{k}-j_s+1)}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+ \mathbb{k} (n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \cdot$$

$$\sum_{n_k=n_{is}+j_{sa}^s-j_{sa}^{ik} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 - j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{\infty} \sum_{i=j_i-s+1}^{l_s+s-l} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{n_{is}=n+\mathbb{k}-j_s+1}^{l_s+s-D-1} \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < r \wedge l_s > D - n + 1 \wedge$$

$$z \geq j_s \geq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$454$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\begin{aligned} & f_z S_{j_s, J_s}^{D_s} \sum_{l=k}^{(l_i-s+2)} \sum_{n=n_{is}}^{(n_i-j_s+1)} \sum_{n_i=n+\Bbbk}^{(n_i-j_s+1)} \\ & \left(\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)} \right) \\ & \frac{(2 \cdot l + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \Bbbk - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - n_s - j_i - \pmb{n} - 2 \cdot \Bbbk - 3 \cdot j_{sa}^s)!} \cdot \\ & \frac{1}{(\pmb{n} + j_{sa}^s - s - j_s)!} \cdot \\ & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(D + j_i - \pmb{n} - l_i)! \cdot (\pmb{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} & D \geq \pmb{n} < r \wedge l_s > D - \pmb{n} + 1 \wedge \\ & z \geq j_s \geq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \pmb{n} \wedge \end{aligned}$$

$$l_{ik}-j_{sa}^{ik}+1=l_s \wedge l_i+j_{sa}^{ik}-s=l_{ik} \wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DS} = \sum_{(j_s=i_s)} \sum_{i_s+s-1}^{(l_{ik}-n_{ik}+j_{sa}^{ik}+2)} \sum_{n_i=n+\mathbb{k}}^{(n_i-j_s+1)} \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(\ )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$456$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\begin{aligned} & f_Z S_{j_s, J_s}^{D_s} \sum_{n_i=n+\Bbbk}^{\infty} \sum_{(n_i-j_s+1)}^{\infty} \sum_{n_{is}=n+\Bbbk-j_s+1}^{\infty} \\ & \left(\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{\infty} \right) \\ & \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \Bbbk - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \pmb{n} - 2 \cdot \Bbbk - 3 \cdot j_{sa}^s)!} \cdot \\ & \frac{1}{(\pmb{n} + j_{sa}^s - s - j_s)!} \cdot \\ & \frac{(\pmb{l}_s - \pmb{l} - 1)!}{(\pmb{l}_s - j_s - \pmb{l} + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - \pmb{l}_i)!}{(D + j_i - \pmb{n} - \pmb{l}_i)! \cdot (\pmb{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} & D \geq \pmb{n} < r \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge \\ & z \geq j_s \geq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \pmb{n} \wedge \end{aligned}$$

$$\pmb{l}_{ik} - j_{sa}^{ik} + 1 = \pmb{l}_s \wedge \pmb{l}_i + j_{sa}^{ik} - s = \pmb{l}_{ik} \wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^{(l_i - l_s - 1)^2} \sum_{\substack{n_i = l_i + n - k + 1, \\ n_i = n + \mathbb{k} (n_i = n + \mathbb{k} - j_s + 1)}}^{(l_i - l_s - 1)^2} \sum_{\substack{(n_i - j_s + 1) \\ n_i = n + \mathbb{k} (n_i = n + \mathbb{k} - j_s + 1)}}^n \sum_{\substack{( ) \\ n_k = n_{ik} + j_{sa}^s - j_{sa}^{ik} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}}^{\infty} \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < r \wedge l_s > D - n + 1 \wedge$$

$$z \geq j_s \geq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1, i_s = l_i + n - 2, \dots, i_s + s - 1}^{(l_{ik} - l - j_s + 2)} \sum_{n_i = n + \mathbb{k} (n_{is} = n + \mathbb{k} - j_s + 1)}^{(n_i - j_s + 1)} \sum_{n_k = n_{is} + j_{sa}^s - j_{sa}^{ik} (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}^{(\ )} \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{\substack{j_s = l_k + n - j_{sa} \\ (n_i - j_s + 1)}}^{(l_i - l_s)} \sum_{\substack{n_i = n + \mathbb{k} \\ (n_{is} = n + \mathbb{k} - j_s + 1)}}^{(n_i - j_s + 1)} \sum_{\substack{n = n_{is} + j_{sa}^s - j_{sa}^{ik} \\ (n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k})}}^{(\ )} \cdot$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

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$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\begin{aligned} f(S_{j_s,j_i}^{DSST}) = & \sum_{k=l}^{(l_{ik}-l-j_{sa}+s)} \sum_{i_s=s-1}^{(l_{ik}-l-j_{sa}+s)} \\ & \sum_{n_i=n+\Bbbk}^{(n_i-j_s+1)} \sum_{n_{is}=n+\Bbbk-j_s+1}^{(n_i-j_s+1)} \\ & \sum_{j_s=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk) \\ & \frac{(2\cdot n_{ik}+j_s+2\cdot j_{sa}^{ik}-n_s-j_i-s-2\cdot \Bbbk-2\cdot j_{sa}^s)!}{(2\cdot n_{ik}+j_s+j_i+2\cdot j_{sa}^{ik}-n_s-j_i-\pmb{n}-2\cdot \Bbbk-3\cdot j_{sa}^s)!}. \end{aligned}$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!}.$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}_s > D-\pmb{n}+1 \wedge$$

$$2\leq j_s\leq j_i-s+1 \wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s + l_k + n - j_{sa})=1, \dots, j_s+s-1}^{(l_s-l+1)} \sum_{n_i=n+k \atop (n_i=n+k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{k=n_{is}+j_{sa}^s-j_{sa}^{ik} \atop (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k)}^{\infty} \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot k - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + j_s + j_{sa}^{ik} - j_{sa}^s - n_s - j_i - n - 2 \cdot k - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq r \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fZ}S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=\mathbf{l}_i+\mathbf{n}-D}^{l_{ik}+s-\mathbf{l}-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$

$(D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$(D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$   
 $(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$   
 $D + s - 1 \leq l_i \leq D + l_s + s - n - 1) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$

$2 \leq l \leq D + l_s + s - n - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

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$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{Z_{(s-1)}})) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{( )} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_i+n-D}^{l_s+s-l}$$

$$\begin{aligned}
 & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s)}^{\left(\right.} \\
 & \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)} \cdot \\
 & \frac{(n - s - j_s)!}{(n - s - l - 1) \cdot (j_s - l)!} \cdot \\
 & \frac{(-l-1)!}{(l_s - j_s - l - 1)! \cdot (j_s - 2)!} \cdot \\
 & \frac{(-l)!}{(D - i_s - \mathbf{n} - l_i) \cdot (\mathbf{n} - j_i)!} \\
 & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee \\
 & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\
 & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\
 & (D + s - \mathbf{n} - l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \\
 & (l_{ik} - j_{sa}^{ik} + 1 < n \wedge I = \mathbb{k} = 0 \wedge \\
 & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
 & s: \{j_{sa}^s, j_{sa}^i\} \wedge \\
 & s \geq 2 \wedge s = s) \vee
 \end{aligned}$$

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$$D>\pmb{n} < n$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee\pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \Bbbk \wedge$$

$$\Bbbk_z{:}z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(j_s=l_i+s-1)+1}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(n_i-n)+s-1} \\ & \sum_{n_i=n+\Bbbk}^{n} \sum_{=n+\Bbbk-j_s+1}^{(n_i-n)+s-1} \\ & \sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}^{n} \sum_{(n_s=n_{is}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(n_i-n)+s-1} \\ & \frac{(2 \cdot n_{ik}+j_s+2 \cdot j_{sa}^{ik}-n_s-s-s-2 \cdot \Bbbk-2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik}+2 \cdot j_s+2 \cdot j_{sa}^{ik}-n_s-s-n-2 \cdot \Bbbk-3 \cdot j_{sa}^s)!} \cdot \\ & \frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!}. \end{aligned}$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(\pmb{D}-\pmb{l}_i)!}{(\pmb{D}+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$((D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + \pmb{l}_s + s - \pmb{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \pmb{n} \wedge$$

$$l_{ik}-j_{sa}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s>l_{ik}) \vee$$

$$(D \geq \pmb{n} < n \wedge \pmb{l}_s > D - \pmb{n} + 1 \wedge$$

$$2 \leq \pmb{l} \leq D + \pmb{l}_s + s - \pmb{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

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$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z|J_S,J_I}^{SST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_t+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}^{(l_s-l+1)}$$

$$\sum_{n_l=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ls}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\mathbf{n})}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$((D \geq n < n \wedge l_s > D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$   
 $2 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$   
 $2 \leq l \leq D + l_s + s - n - l_i \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s - 1 \leq j_i \leq n \wedge$   
 $l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$   
 $D + s - n < l_i \leq D + l_s + s - n - 1)) \wedge$

$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^i - 1 \wedge$   
 $s: \{j_{sa}^s, j_{sa}^i\} \wedge$   
 $s \geq 2 \wedge s = s) \vee$   
 $(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$   
 $j_{sa}^s \leq j_{sa}^i - 1 \wedge$   
 $s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$   
 $s \geq 2 \wedge s = s + \mathbb{k} \wedge$   
 $\mathbb{k}_z: z = 1)$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{ik}+n+s-D-j_{sa}^{ik}}^{l_s+s-l} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{( )}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\begin{aligned} & \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_{sa}^{ik})!}, \\ & \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}, \\ & \frac{(D - l_i)}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - l_i - 1)!} \end{aligned}$$

$$\begin{aligned} & ((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 2 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ & (D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge \\ & 2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge \\ & 1 \leq j_s \leq j_i - s + 1 \wedge \\ & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\ & l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ & (D + s - \mathbf{n} + l_i \leq D + (s + s - \mathbf{n} - 1)) \wedge \\ & ((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge \\ & j_{sa}^s \leq j_{sa}^i - 1) \wedge \\ & s \geq 2 \wedge s = s) \vee \\ & (D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge \\ & j_{sa}^s \leq j_{sa}^i - 1 \wedge \end{aligned}$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, l_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s = l_{ik} + \mathbf{n} - D - j_{sa}^{ik} + 1)}^{(l_s - l + 1)} \sum_{j_i = j_s + s - l + 1}^{(l_s - l + 1)} \\ \sum_{n_i = n - j_s - l + 1}^n \sum_{n_{ik} = n_{is} + j_s - l + 1}^{(n - j_s + 1)} \sum_{n_{ik} + j_s - l + 1 - j_i - j_{sa}^s - \mathbb{k}}^{(n - j_s + 1)} \\ \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^s - n_s - j_i - s - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_{sa}^s - n_s - j_i - s - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \\ \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(l_i \geq n < l_s \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < l_s \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=1}^{\left(\atop{)}\right.}\sum_{\substack{i_s=j_i-s+1\\ j_i=l_i+n-D}}\sum_{j_i=l_i+n-D}^{l_{sa}+s-l-j_{sa}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n\sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{ik}}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\left(\atop{)}\right.)}$$

$$\frac{(2 \cdot n_s - j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_s + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \dots, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + 1 \wedge$$

$$\mathbb{k} > z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{l_{sa}-l-j_{sa}+2} \sum_{(j_s=l_i+n-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} \\ \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + \mathbf{l}_s + s - \mathbf{n} - (s - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = 1) \wedge 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{K}_z : z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_l-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-l-j_{sa}^s-\mathbb{k})}^{(\infty)}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - l - \mathbb{k} - 1 - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n}+\mathbb{k}-s-j_s)!}.$$

$$\frac{(l_s - l - \mathbb{k} - 1)!}{(l_s - j_s - \mathbb{k} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s - l_{sa} + j_{sa} - i \Rightarrow l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=l} \sum_{(j_s=j_l-s+1)} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_s}^{l_s+s-l} \sum_{n_i=1}^n \sum_{(n_i=n+j_s+1)}^{(n-j_s+1)} \sum_{n_{ik}=n_{is}+1}^{n_i} \sum_{(n_i=n_{ik}+j_s)}^{(n_{ik}-j_i-j_{sa}-\mathbb{k})} \frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa} - n_s - j_i - s - \mathbb{k} - 3 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + \mathbb{z} \cdot j_s + 2 \cdot j_{sa}^s - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!} \cdot \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < \mathbf{n} + 1 \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \mathbf{n} \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^s + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D \geq \mathbf{n} < \mathbf{n} + 1 \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$$\mathcal{S}_{js,j_i}^{DSST} = \sum_{k=l}^{n} \sum_{(j_s=s+1)+n-D-j_{sa}+1}^{(l_{ik}-j_{sa}^{ik}+2)} \sum_{j_i=j_s+s-1}^{(l_{ik}-j_{sa}^{ik}+2)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa} \wedge$$

$$(D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$D>\pmb{n} < n$$

$$j_s+s-1\leq j_i\leq \pmb{n}\wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1>\pmb{l}_s\wedge \pmb{l}_{sa}+j_{sa}^{ik}-j_{sa}>\pmb{l}_{ik}\wedge \pmb{l}_i+j_{sa}-s=\pmb{l}_{sa}\wedge$$

$$D+s-\pmb{n}<\pmb{l}_i\leq D+\pmb{l}_s+s-\pmb{n}-1)\big)\wedge$$

$$\big((D\geq \pmb{n} < n \wedge I = \Bbbk = 0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge \pmb{s}=s)\vee$$

$$(D\geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1\wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge \pmb{s}=s+\Bbbk\wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$\varsigma_{i_s,j_i}^{DSS_1}\sum_{k-i_s=j_s=l_{sa}+\pmb{n}-D-j_{sa}+1)}\sum_{j_i=j_s+s-1}^{(s-l-1)}\sum_{n_i=\pmb{n}+\Bbbk}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\quad)}\sum_{(n_{is}=\pmb{n}+\Bbbk-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{(\quad)}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}^{(\quad)}$$

$$\frac{(2\cdot n_{ik}+j_s+2\cdot j_{sa}^{ik}-n_s-j_i-s-2\cdot \Bbbk-2\cdot j_{sa}^s)!}{(2\cdot n_{ik}+2\cdot j_s+2\cdot j_{sa}^{ik}-n_s-j_i-\pmb{n}-2\cdot \Bbbk-3\cdot j_{sa}^s)!}.$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!} \cdot$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge \pmb{l}\neq \textcolor{teal}{i}\pmb{l}\wedge \pmb{l}_s\leq D-\pmb{n}+1\wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = k = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$k_z: z = 1) \Rightarrow$$

$$S_{l_s, l}^{DSST} \sum_{k=l}^n \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_i-l+1}$$

$$\sum_{n_i=n+k}^n \sum_{(n_{is}=n+k-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-k)}^{\infty}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot k - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - n - 2 \cdot k - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$((D \geq n < n \wedge l \neq i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \dots, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k}$$

$$\mathbb{k} \cdot z = 1) \wedge$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)} \sum_{j_i=s+1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!} \cdot$$

$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$

$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D + s - \mathbf{n} \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\infty}\sum_{(j_s=j_i-s+1)}^{\infty}\sum_{j_l=s+1}^{l_s+s-l}\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}}^{\mathbf{l}_i - \mathbf{l} - s + 2} \sum_{(j_s=2)}^n \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \circ$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s + \mathbb{k}$

$\mathbb{k}_z: z = \dots \Rightarrow$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=2)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot k - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - n - 2 \cdot k - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - l + 1)!}.$$

$$\frac{(D - l)!}{(D + j_i - n - l) \cdot (n - j_i)!}.$$

$((D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$((D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - n) \vee$

$((D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} < l_s + j_{sa}^{ik} - n) \vee$

$((D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq n \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - n) \vee$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\mathbf{l}_s-\mathbf{l}+1}\sum_{(j_s=2)}^{}\sum_{j_i=j_s+s-1}^{(\mathbf{l}_s-\mathbf{l}+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n\sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(2 \cdot n_{ik} + j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$((\mathbf{l} > D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$   
 $\mathbf{l}_i > D + \mathbf{l}_{ik} + s - \mathbf{n} - j_{sa}^{ik}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$   
 $\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{ik}^{ik} - j_{sa}^{ik} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$   
 $\mathbf{l}_{sa} > D + \mathbf{l}_{ik} + j_{sa} - s - j_{sa}^{ik}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$   
 $\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$   
 $\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$

$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa} \wedge$   
 $\mathbf{l}_i > D + \mathbf{l}_{sa} + s - \mathbf{n} - j_{sa}) \vee$   
 $(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$   
 $1 \leq j_s \leq j_i - s + 1 \wedge$   
 $j_s + s \leq j_i \leq \mathbf{n} \wedge$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$\mathbf{l}_{ik} > D + \mathbf{l}_s + j_{sa}^{ik} - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i > D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=0$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{lk} - 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^l - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^l\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, l_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{n=l_i+n-D}^{l_i-l+1} \frac{( )}{( )} \cdot$$

$$\frac{(n_i - l + 1)}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - j_i - n - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s - j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l_s \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s, j_i}^{DSST} &= \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+n-D}^{l_{ik}+s-l-j_{sa}^{ik}} \\ &\quad \cdot \frac{\sum_{n_{ik}=s+j_{sa}-j_{sa}^s-n_s=n_{ik}+j_s+j_{sa}-j_{sa}^s-\mathbb{k}}^{\infty} (n_{ik}+j_s+j_{sa}-j_{sa}^s-\mathbb{k})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-n_i-\mathbf{n}-2 \cdot \mathbb{k}-j_{sa}^s)!} \cdot \\ &\quad \cdot \frac{1}{(\mathbf{n}+j_{sa}^s-s-j_s)!} \cdot \\ &\quad \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ &\quad \cdot \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!} \end{aligned}$$

$$\begin{aligned} D &\geq \mathbf{n} < n \wedge l_s > -\mathbf{n} + s \wedge \\ 2 &\leq j_s < j_i - s + 1 \wedge \\ j_s + s - 1 &\leq \dots \leq \mathbf{n} \wedge \\ l_{il} - j_{sa}^s - 1 &= l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ ((D &\geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge \\ j_{sa}^s - j_{sa}^i - 1 &\wedge \end{aligned}$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, l_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{n=l_i+n-D}^{l_s+s-1} \frac{( )}{( )} \cdot \frac{l_s+s-1}{(n_i-j_i+1)} \cdot \frac{( )}{( )} \cdot \frac{(n_i-k+1)}{(n_{ik}+j_s-j_{sa}-n_s-j_i-n-2 \cdot \mathbb{k}-j_{sa})!} \cdot \frac{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-j_i-n-2 \cdot \mathbb{k}-j_{sa})!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-n-2 \cdot \mathbb{k}-2 \cdot j_{sa})!} \cdot \frac{1}{(n+j_{sa}^s-s-j_s)!} \cdot \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s - j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l_s \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+n-\mathbf{n}-D-j_{sa}^{ik}}^{\left(\right)} \sum_{l_i-l+1}^{\left(\right)} \\ \sum_{n_{ik}+j_{sa}-j_{sa}^s=n_{ik}+j_s+j_{sa}^i-n_{sa}-\mathbb{k}}^{\left(\right)} \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - l_i - j_{sa}^s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - l_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot \\ \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} + s \wedge \\ 2 \leq j_s \leq j_i - s + 1 \wedge \\ j_s + s - 1 \leq j_i \leq n \wedge \\ l_{ik} - j_{sa}^s - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ ((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge \\ j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+r_{ik}-D-j_{sa}^{ik}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \cdot$$

$$\frac{(n_i-s+1)}{n_{ik}+\mathbb{k}(n_{is}=n+\mathbb{k}-j_{sa}^s)} \cdot$$

$$\frac{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-s-j_i-\mathbb{k}-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(n+j_{sa}^s-s-j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s \geq -n +$$

$$2 \leq j_s \leq i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i < \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_{ik}+n-\mathbf{n}-D-j_{sa}^{ik}}^{\left(\right)} \sum_{l_s+s-l}^{\left(\right)} \\ \frac{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-\mathbf{n}-j_i-n-\mathbf{n}-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-n_i-\mathbf{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!} \cdot \\ \frac{1}{(\mathbf{n}+j_{sa}^s-s-j_s)!} \cdot \\ \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ \frac{(D-l_i)!}{(D+j_i-\mathbf{n}-l_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > \mathbf{n} - \mathbf{n} +$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \dots \leq \mathbf{n} \wedge$$

$$l_{il} - j_{sa} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s - j_{sa} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + k \wedge$$

$$\mathbb{k}_z : z = 1) \Big) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_l-s+1)}^{\left(\right)} \sum_{j_i=l_s+s-D-1}^{l_i-l+1} \sum_{n_{ik}=n+k-1}^{(n_i-k+1)} \sum_{n_{is}=n+k-1}^{n_i+k-1} \sum_{n_{sa}=n+k-s}^{(n_s+k-s)} \frac{(j_s + j_{sa}^s - n_s - j_i - l_s - l_i - 2 \cdot k - j_{sa}^s)!}{(j_s + j_{sa}^s - n_s - j_i - n - 2 \cdot k - 2 \cdot j_{sa}^s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq n < n \wedge l_s < 2 - n +$$

$$2 \leq j_s - i_j - s + 1 \wedge$$

$$j_s + s - 1 \leq \dots \leq n \wedge$$

$$l_{ik} \wedge j_{sa} + 1 = l_s \wedge l_i + j_{sa} - s = l_{ik} \wedge$$

$((D \geq n < \dots) \wedge I = \mathbb{k} = 0 \wedge$

$$Jsa - \jmath sa - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$498$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\mathbb{k},j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z:z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} &= \sum_{k=l}^{\left(\right)} \sum_{(j_s=j_i-s+1)}^{\left(\right)} \sum_{j_i=l_s+s-D-1}^{l_{ik}+s-l-j_{sa}^{ik}+} \\ &\quad \sum_{n_{ik}+s+j_{sa}-j_s=s-n_{ik}+j_s+j_{sa}-\mathbb{k}}^{\left(\right)} \frac{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-s-j_i-\mathbf{l}-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-n_i-\pmb{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!} \cdot \\ &\quad \frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!} \cdot \\ &\quad \frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!} \cdot \\ &\quad \frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!} \end{aligned}$$

$$D \geq \pmb{n} < n \wedge l_s > -\pmb{n} +$$

$$2 \leq j_s < j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \dots \leq \pmb{n} \wedge$$

$$l_{il} - j_{sa} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$\big((D \geq \pmb{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \pmb{s} = s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_s+s-D-1}^{l_s+s-l} \frac{\left(\begin{array}{c} \\ \end{array}\right)}{\sum_{n_{ik}=j_s+j_{sa}-j_{si}}^{\infty} \sum_{n_s=n_{ik}+j_{sa}-j_{si}}^{\infty} \sum_{n_{is}=n_{ik}+j_{sa}-\mathbb{k}}^{\infty}} \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq j_s - j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \mathbf{n} \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa}^s - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$500$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee\pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\Bbbk\wedge$$

$$\Bbbk_z\!:\!z=1)\big)\Rightarrow$$

$$f_z S_{j_s, l_i}^{DSST} = \sum_{k=l}^{(l_i-l-s+2)} \sum_{(j_s=l_s+n-D)_{s=1}}^{\infty} \sum_{(n_i=n+k-1)_{s=1}}^{\infty} \\ \sum_{n_{ik}=n_s+j_{sa}-j_s-n_s=n_{ik}+j_{sa}-j_{sa}-\Bbbk_{s=1}}^{\infty} \\ \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - j_i - n - 2 \cdot \Bbbk - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \Bbbk - 2 \cdot j_{sa}^s)!} \cdot \\ \frac{1}{(\pmb{n} + j_{sa}^s - s - j_s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \pmb{n} - l_i)! \cdot (\pmb{n} - j_i)!}$$

$$D \geq \pmb{n} < n \wedge l_s > D - n + 1 \wedge \\ 2 \leq j_s - j_i - s + 1 \wedge \\ j_s + s - 1 \leq i \leq \pmb{n} \wedge \\ l_{ik} - j_{sa} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ ((D \geq \pmb{n} < n) \wedge I = \Bbbk = 0 \wedge \\ j_{sa} = j_{sa} - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D \geq \pmb{n} < n \wedge I = \Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_s+n-D)} \sum_{(j_s=s-1)}$$

$$(n_i - l + 1) \\ n_i + \mathbb{k} (n_{is} = n + \mathbb{k} - j_{sa}^i)$$

$$\sum_{n_{ik} + j_{sa}^s - j_{sa}^i - s = n_{ik} + j_s + j_{sa}^s - j_{sa}^i - \mathbb{k}} (n_{ik} + j_{sa}^s - j_{sa}^i - s - n_{ik} + j_s + j_{sa}^s - j_{sa}^i - \mathbb{k})$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - s - j_i - l - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > l - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l \leq n \wedge$$

$$l_{ik} - j_{sa}^i - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, l_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s = l_s + n - D) \wedge j_s = j_s + s - 1} \sum_{(n_i - l + 1)} \\ (n_{is} + n_{ik} + j_s + j_{sa}^{ik} - j_i - n - 2 \cdot \mathbb{k} - j_{sa}^s)! \\ (n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)! \\ \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\ \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq j_s - j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} + j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_i - l - s + 2)} \sum_{(j_s = l_i + n - s - D + 1)}^{(l_i - l - s + 2)} \sum_{(j_s = j_s + s - 1)}^{(l_i - l - s + 2)} \\ \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik})!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - j_{sa}^s)!} \cdot \\ \frac{1}{(n + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - n - l_i)! \cdot (n - j_i)!}$$

$$D \geq n < n \wedge l_s > n - n +$$

$$2 \leq j_s - j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq l_s \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa} - j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$504$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\mathbb{k},j_{sa}^i\} \vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \pmb{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z:z=1)\big) \Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} &= \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_t+\pmb{n}-s-D+1)} \sum_{(j_s=s-1)} \\ &\quad \begin{array}{c} (n_i-\pmb{l}+1) \\ n_i-\pmb{l}+\mathbb{k} (n_{is}=\pmb{n}+\mathbb{k}-j_{sa}^i) \\ (n_{is}-j_{sa}^i) \end{array} \\ &\quad \begin{array}{c} (n_{is}+n_{ik}+j_s+j_{sa}^{ik}-s-j_i-\pmb{l}-2 \cdot \mathbb{k}-j_{sa}^s)! \\ (n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-\pmb{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)! \end{array} \\ &\quad \frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!} \cdot \\ &\quad \frac{(l_s-\pmb{l}-1)!}{(l_s-j_s-\pmb{l}+1)! \cdot (j_s-2)!} \cdot \\ &\quad \frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)! \cdot (\pmb{n}-j_i)!} \end{aligned}$$

$$D \geq \pmb{n} < n \wedge l_s > -\pmb{n} +$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \dots \leq \pmb{n} \wedge$$

$$l_{ik}-j_{sa}^{ik}-1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$\left( (D \geq \pmb{n} < n) \wedge I = \mathbb{k} = 0 \wedge \right.$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \pmb{s} = s) \vee$$

$$(D \geq \pmb{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(l_i - l - s + 2)} \sum_{(j_s = s + 1)}^{(n_i - n - s + 1)}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$D \geq \mathbf{n} < n \wedge l_s > -n + s \wedge$$

$$2 \leq j_s < i_s - s + 1 \wedge$$

$$j_s + s - 1 \leq \dots \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq \mathbf{n} < n) \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$506$$

$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\mathbb{k},j_{sa}^i\}\vee\pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\mathbb{k},j_{sa}^i\}\wedge$$

$$s\geq 3\wedge s=s+\mathbb{k}\wedge$$

$$\mathbb{k}_z\!:\!z=1)\big)\Rightarrow$$

$$\begin{aligned} {}_{fz}S_{j_s,j_i}^{DSST} &= \sum_{k=\pmb{l}}^{\pmb{(l}_{ik}-\pmb{l}-j_{sa}^{ik}+2)} \sum_{(j_s=l_{ik}+\pmb{n}-j_{sa}^{ik}-D+1)}^{\pmb{(l}_{ik}-\pmb{l}-j_{sa}^{ik}+2)} \sum_{j_s+s-1}^{\pmb{(l}_{ik}-\pmb{l}-j_{sa}^{ik}+2)} \\ &\quad \sum_{n_l+\mathbb{k}(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{\pmb{(n}_i-\pmb{l}+1)} \\ &\quad \sum_{n_{ik}+\pmb{j}_s-j_{sa}^{ik}=n_{ik}+j_s+j_{sa}^s-j_{sa}^s-\mathbb{k}}^{\pmb{(n}_i-\pmb{l}+1)} \\ &= \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - \pmb{l} - j_i - \pmb{l} - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + \pmb{j}_s + j_{sa}^{ik} - n_s - \pmb{l} - \pmb{l} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot \\ &\quad \frac{1}{(\pmb{n} + j_{sa}^s - s - j_s)!} \cdot \\ &\quad \frac{(\pmb{l}_s - \pmb{l} - 1)!}{(\pmb{l}_s - j_s - \pmb{l} + 1)! \cdot (j_s - 2)!} \cdot \\ &\quad \frac{(\pmb{D} - \pmb{l}_i)!}{(\pmb{D} + j_i - \pmb{n} - \pmb{l}_i)! \cdot (\pmb{n} - j_i)!} \end{aligned}$$

$$\begin{aligned} D > \pmb{n} < n \wedge l_s > -\pmb{n} + \mathbb{k} \\ 2 \leq j_s < \pmb{i} - s + 1 \wedge \\ j_s + s - 1 \leq j_s < \pmb{n} \wedge \\ l_{ik} - j_{sa}^{ik} - 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge \\ ((D \geq \pmb{n} < \pmb{n}) \wedge I = \mathbb{k} = 0 \wedge \\ j_{sa}^s \leq j_{sa}^i - 1 \wedge \end{aligned}$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2\wedge s=s)\vee$$

$$(D \geq \pmb{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=\mathbf{l}} \sum_{(j_s = l_{ik} + \mathbf{n} - j_{sa}^{ik} - D + 1)}^{(l_s - \mathbf{l} + 1)} \sum_{(j_s = s + \mathbb{k} - 1)}^{(l_s - \mathbf{l} + 1)}$$

$$(n_i - \mathbf{l} + 1)$$

$$n_{ik} + \mathbb{k} (n_{is} = \mathbf{n} + \mathbb{k} - j_{sa}^s)$$

$$\sum_{n_{ik} + j_{sa}^s - j_{sa}^i - 1 = n_{ik} + j_s + j_{sa}^s - j_{sa}^i - \mathbb{k}}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - \mathbf{l} + 1 - j_i - \mathbb{k} - 1 - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - \mathbf{l} - 1)!}{(l_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1) \wedge$$

$$2 \leq \mathbf{l} \leq \mathbf{n} + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\begin{aligned} l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge \\ D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge \end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$S_{is,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{j_i=s+1}^{\infty} \sum_{j_i=l_i+n-D}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty} \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \big) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n) \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i$$

$$1 \leq j_s \leq j_i - s \quad \text{and} \quad$$

$$j_s + s - 1 \leq i \leq n$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_i + j_{sa}, \quad s > i_k \wedge$$

$$D + s - n < l_i \leq D + s - n - 1) \vee$$

$$(D \geq n < \dots \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i < s+1 \wedge$$

$$\leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1 \big) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1)$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_i+\mathbf{n}-D}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - \mathbf{l} + 1)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i) \cdot (\mathbf{n} - j_i)!}.$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge D + \mathbf{l}_s - s - \mathbf{n} - \mathbf{l}_i > 0) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{i_k} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k}) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^{i_k} - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{i_k}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_{ik}-l-j_{sa}^{ik}+2)} \sum_{(j_s=l_i+\mathbf{n}-D-s+1)} \sum_{j_i=j_s+s-1}$$

$$\begin{aligned} & \sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\ & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \left( \sum_{(n_s=n_{ik}+j_s-\mathbb{k}-l_i+j_{sa}-\mathbb{k})} \right. \\ & \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - l_i - \mathbb{k} - 2 \cdot \mathbb{k} - j_{sa}^s)}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - l_i - \mathbb{k} - 2 \cdot j_{sa}^s)} \cdot \\ & \frac{(n + j_{sa}^s - s - j_s)!}{(n + j_{sa}^s - s - j_s)!} \cdot \\ & \frac{(s - l - 1)!}{(s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ & \frac{(D - l_i)!}{(j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!} \end{aligned}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1) \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i + s - 1 + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i + s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$D + j_{sa}^{ik} - n < l_{ik} \leq D + l_s + j_{sa}^{ik} - n - 1)$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \big) \wedge$$

$$\big( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \big) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=\lfloor \frac{j_s}{2} \rfloor - l_i + \mathbf{n} - D - s + 1}^{\lceil \frac{j_s}{2} \rceil - l + 1} \sum_{j_i=j_s+s-1}^{n_i}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is}-n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-s-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}-n_{ik}+2 \cdot j_s+j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n}+j_{sa}^s-s-j_s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!}.$$

$$\frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$\big( (D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^u, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + 1 \wedge$$

$$\mathbb{k} \cdot z = 1)$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=\mathbf{l}_{ik}+\mathbf{n}+s-D-j_{sa}^{ik}}^{\mathbf{l}_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(\mathbf{D} - \mathbf{l}_i)!}{(\mathbf{D} + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - \mathbf{l}_i)!}.$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq (D + \mathbf{l}_s + s - \mathbf{n} + 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{m} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{m} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, j_i}^{DSST} = \sum_{k=l}^{(l_s-l+1)} \sum_{(j_s=l_{ik}+n-D-j_{sa}^{ik}+1)} \sum_{j_i=j_s+s-1}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_{sa}^s)}^{(n_i-j_s+1)} \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{( )} (n_s=n_{ik}+j_s+j_{sa}^{ik}-s-j_{sa}^s-\mathbb{k})! \\ \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - j_{sa}^s - \mathbb{k} - 1)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + \mathbb{k} - s - j_s)!} \cdot \frac{(l_s - l - \mathbb{k} - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)!}{(D - j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbb{k} - 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \mathbf{n} \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - i_s = l_{ik} \wedge l_i + j_{sa} - s > l_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - \mathbb{k} - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{l=1}^{\infty} \sum_{(j_s=j_i-s+1)}^{(j_s=j_i+s-1)} \sum_{j_i=l_i+n-D}^{l_{sa}-s+1} \sum_{(j_s+1)}^{(n_{is}=n+\mathbb{k}-j_s+1)} \\ \sum_{n_{ik}=n_s+j_{sa}^s-j_{sa}^{ik}-s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{(n_{is}+n_{ik}+j_{sa}^s-j_{sa}^{ik}-n_s-j_i-s-2 \cdot \mathbb{k}-j_{sa}^s)!} \\ \frac{(n_{is}+n_{ik}+j_{sa}^s-j_{sa}^{ik}-n_s-j_i-s-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}-n_{ik}+2 \cdot j_s-j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$((\mathbf{l}_s \geq \mathbf{n} \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D \wedge \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$2 - j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s > \mathbf{l}_{sa}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s > l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_{Z|l_s, j_i}^{SST} = \sum_{k=l}^{(l_{sa}-l-j_{sa}+2)} \sum_{(j_s=l_t+n-D-s+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - n - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(n + j_{sa}^s - s - j_s)!}.$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$((D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \wedge$

$D + s - \mathbf{n} < l_i \leq D + l_s + s - \mathbf{n} - 1)) \wedge$

$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$

$j_{sa}^s \leq j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s) \vee$

$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$

$j_{sa}^s = j_{sa}^i - 1 \wedge$

$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \cdot, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$

$s \geq 2 \wedge s = s + 1 \wedge$

$\mathbb{K}_z: z = 1)$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_{ik}+s-l-j_{sa}^{ik}+1} \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{} \frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_{sa}^s)!} \cdot \\ \frac{(l_s - l - \mathbb{k} - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\ \frac{(D - l_i)}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - l_i - 1)!}$$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s > D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$2 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$

$(D \geq \mathbf{n} < n \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$2 \leq l \leq D + l_s + s - \mathbf{n} - l_i \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} = \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_{sa} + j_{sa}^{ik} - j_{sa} > \mathbf{l}_{ik} \wedge \mathbf{l}_i + j_{sa} - s = \mathbf{l}_{sa} \wedge$$

$$D + s - \mathbf{n} < \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa} - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s = s - 1 = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=l_{sa}+\mathbf{n}+s-D-j_{sa}}^{l_s+s-l}$$

$$\begin{aligned}
 & \sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \\
 & \sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^i}^{} \sum_{(n_s=n_{ik}+j_s+j_{sa}^i-j_i-j_{sa}^s)}^{} \\
 & \frac{(n_{is} + n_{ik} + j_s + j_{sa}^i - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^i - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{l} - 2 \cdot j_{sa}^s)!} \cdot \\
 & \frac{(n_{is} - s - j_s)!}{(n_{is} - s - j_s - l - 1)! \cdot (j_s - l)!} \cdot \\
 & \frac{(l_s - j_s - s - 1)! \cdot (j_s - 2)!}{(D - i_s - \mathbf{n} - \mathbf{l}_s) \cdot (\mathbf{n} - j_i)!} \\
 & ((D \geq \mathbf{n} < n \wedge \mathbf{l}_s > D - \mathbf{n} + 1 \wedge \\
 & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\
 & 2 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^i + 1 = \mathbf{l} \wedge l_{sa} + j_{sa}^i - j_{sa}^s > l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa}) \vee \\
 & (D \geq \mathbf{n} < n \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge \\
 & 2 \leq \mathbf{l} \leq D + \mathbf{l}_s + s - \mathbf{n} - \mathbf{l}_i \wedge \\
 & 1 \leq j_s \leq j_i - s + 1 \wedge \\
 & j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge \\
 & l_{ik} - j_{sa}^i + 1 = \mathbf{l}_s \wedge l_{sa} + j_{sa}^i - j_{sa}^s > l_{ik} \wedge l_i + j_{sa} - s = \mathbf{l}_{sa} \wedge \\
 & D + s - \mathbf{n} - \mathbf{l}_i \leq D + \mathbf{l}_s + s - \mathbf{n} - 1) \wedge \\
 & (j_{sa}^s \leq n \wedge I = \mathbb{k} = 0 \wedge \\
 & j_{sa}^s \leq j_{sa}^i - 1 \wedge \\
 & s: \{j_{sa}^s, j_{sa}^i\} \wedge \\
 & s \geq 2 \wedge s = s) \vee
 \end{aligned}$$

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$$D>\pmb{n} < n$$

$$(D\geq \pmb{n}< n \wedge I=\Bbbk>0 \wedge$$

$$j_{sa}^s\leq j_{sa}^i-1 \wedge$$

$$\pmb{s}\colon\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee\pmb{s}\colon\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z\colon z=1)\big)\Rightarrow$$

$$\begin{aligned} f_Z S_{j_s, j_i}^{DSST} = & \sum_{k=l}^{\infty} \sum_{(j_s=l_{sa}+n-s+1)}^{\left(l_{ik}-l-j_{sa}^{ik}+2\right)} \sum_{j_i=j_s+s-1}^{\left(n_i-n\right)} \\ & \sum_{n_i=n+\Bbbk-j_s+1}^{\left(n_i-n\right)} \\ & \sum_{n_{ik}=n_{is}+j_s-j_{sa}^{ik}}^{\left(n_s-n_i+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk\right)} \\ & \frac{\left(n_{is}+n_{ik}-1+j_{sa}^{ik}-n_s-n_i-s-2 \cdot \Bbbk-j_{sa}^s\right)!}{\left(n_{is}+2 \cdot j_s-j_{sa}^{ik}-n_s-n_i-n-2 \cdot \Bbbk-2 \cdot j_{sa}^s\right)!} \cdot \\ & \frac{1}{\left(\pmb{n}+j_{sa}^s-s-j_s\right)!} . \end{aligned}$$

$$\frac{(\pmb{l}_s-\pmb{l}-1)!}{(\pmb{l}_s-j_s-\pmb{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D-\pmb{l}_i)!}{(D+j_i-\pmb{n}-\pmb{l}_i)!\cdot(\pmb{n}-j_i)!}$$

$$((D\geq \pmb{n}< n \wedge l_s> D-\pmb{n}+1 \wedge$$

$$2\leq \pmb{l}\leq D+l_s+s-\pmb{n}-l_i \wedge$$

$$2\leq j_s\leq j_i-s+1 \wedge$$

$$j_s+s-1\leq j_i \leq \pmb{n} \wedge$$

$$l_{ik}-j_{sa}+1=\pmb{l}_s \wedge l_{sa}+j_{sa}^{ik}-j_{sa}>l_{ik} \wedge l_i+j_{sa}-s=l_{sa}) \vee$$

$$(D\geq \pmb{n}< n \wedge l_s> D-\pmb{n}+1 \wedge$$

$$2\leq \pmb{l}\leq D+l_s+s-\pmb{n}-l_i \wedge$$

$$2\leq j_s\leq j_i-s+1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} = l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s > D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$2 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_{ik} \wedge l_i + j_{sa} - s = l_{sa}) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1 \wedge$$

$$2 \leq l \leq D + l_s + s - n - l_i \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_{sa} + j_{sa}^{ik} - j_{sa} > l_s \wedge l_i + j_{sa} - \dots = l_{sa} \wedge$$

$$D + s - n < l_i \leq D + l_s + s - n - 1) \vee$$

$$(D \geq n < n \wedge l_s \leq D - n + 1) \wedge$$

$$2 \leq l \leq D + l_s + s -$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n,$$

$$l_{ik} - j_{sa}^{ik} + 1 \geq 0 \wedge l_{sa} + j_{sa}^{ik} = l_{sa} \wedge l_{ik} \wedge l_i + j_{sa} = s \equiv l_{sa} \wedge$$

$$P \pm s \leq n \leq l_i \leq P - l_s \pm s = (l-1) \vee$$

$$D \geq p \leq D + 1 \wedge$$

$$2 \leq k \leq D + 1 \quad \text{and} \quad p = l \wedge$$

$$1 \leq j_1 \leq \dots \leq s+1 \wedge$$

$$+ s \geq \dots \rightarrow j_i \leq n \wedge$$

$$l_{ij} - i_{\infty}^{ik} + 1 \geq l_i \wedge l_{ij} + i_{\infty}^{ik} = i_{\infty} \geq l_{ij} \wedge l_i + i_{\infty} = s \equiv l_{ij} \wedge$$

$$D+s-p \leq l_1 \leq D+l_1+s-p-1)) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0) \wedge$$

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$$D>\pmb{n} < n$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,j_{sa}^i\}\wedge$$

$$s\geq 2 \wedge \pmb{s}=s) \vee$$

$$(D\geq \pmb{n} < n \wedge I=\Bbbk > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\pmb{s}:\{j_{sa}^s,\Bbbk,j_{sa}^i\}\vee \pmb{s}:\{j_{sa}^s,\cdots,j_{sa}^{ik},\Bbbk,j_{sa}^i\}\wedge$$

$$s\geq 3 \wedge \pmb{s}=s+\Bbbk \wedge$$

$$\Bbbk_z:z=1)\big)\Rightarrow$$

$$f_z S_{j_s,j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{\substack{j_{sa}+n-l-k+1 \leq j_s+s-1 \\ n_i=n+\Bbbk}}^{(l_s-l-1)} \sum_{\substack{(n_i-j_s+1) \\ n_i=n+\Bbbk \quad (n_{is}=n+\Bbbk-j_s+1)}}^n \sum_{\substack{( ) \\ j_k=n_{is}+j_{sa}^s-j_{sa}^{ik} \quad (n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\Bbbk)}}^{\infty} \\ \frac{(n_i+n_{ik}+j_s-j_{sa}^s-j_{sa}^{ik}-n_s-j_i-s-2\cdot \Bbbk-j_{sa}^s)!}{(n_{is}+n_{ik}+2\cdot \Bbbk+j_{sa}^{ik}-n_s-j_i-\pmb{n}-2\cdot \Bbbk-2\cdot j_{sa}^s)!} \cdot$$

$$\frac{1}{(\pmb{n}+j_{sa}^s-s-j_s)!} \cdot$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)!\cdot(j_s-2)!} \cdot$$

$$\frac{(D-l_i)!}{(D+j_i-\pmb{n}-l_i)!\cdot(\pmb{n}-j_i)!}$$

$$D\geq \pmb{n} < n \wedge l\neq \_il \wedge l_s\leq D-\pmb{n}+1 \wedge$$

$$1\leq j_s\leq j_i-s+1 \wedge$$

$$j_s+s-1\leq j_i\leq \pmb{n} \wedge$$

$$\pmb{l}_{ik}-j_{sa}^{ik}+1=\pmb{l}_s \wedge \pmb{l}_i+j_{sa}^{ik}-s=\pmb{l}_{ik} \wedge$$

$$\big((D\geq \pmb{n} < n \wedge I=\Bbbk = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\begin{aligned}
& \sum_{\substack{( ) \\ k=i+1 \\ n_i=n+\mathbb{k} \\ (n_i-j_s+1)}}^{\sum_{\substack{( ) \\ j_i=s+1 \\ l_i-l+1}}} \sum_{\substack{( ) \\ n_i=n+\mathbb{k} \\ (n_i-j_s+1)}}^{\sum_{\substack{( ) \\ n_i=n+\mathbb{k}-j_s+1 \\ n_i=n+\mathbb{k}-j_s+1}}} \\
& \frac{(n_i + n_{ik} + j_s - j_{sa}^{ik} - j_{sa}^s - j_{sa}^i - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_i + n_{ik} + 2 \cdot \mathbb{k} + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot \\
& \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot \\
& \frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot \\
& \frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}
\end{aligned}$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\gamma_{j_s, j_i}^{DSST} = \sum_{k=l}^{\infty} \sum_{(j_s=j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_{ik}+s-l-j_{sa}^{ik}+1}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{\infty} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{is} + n_{ik} + j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ik} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!}.$$

$$\frac{(\mathbf{l}_s - \mathbf{l} - 1)!}{(\mathbf{l}_s - j_s - \mathbf{l} + 1)! \cdot (j_s - 2)!}.$$

$$\frac{(D - \mathbf{l}_i)!}{(D + j_i - \mathbf{n} - \mathbf{l}_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l \neq i_l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i - s + 1 < l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s}^{SST} = \sum_{k=l}^{\infty} \sum_{(j_s-j_i-s+1)}^{\infty} \sum_{j_i=s+1}^{l_s+s-l}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{is}=\mathbf{n}+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_s} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{\infty}$$

$$\frac{(n_{is}-n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-s-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}-n_{ik}+2 \cdot j_s+j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(\mathbf{n}+j_{sa}^s-s-j_s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)! \cdot (j_s-2)!}.$$

$$\frac{(D-\mathbf{l}_i)!}{(D+j_i-\mathbf{n}-\mathbf{l}_i)! \cdot (\mathbf{n}-j_i)!}$$

$$D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{i} \mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, n}^{n, l-s+T} = \sum_{k=l}^n \sum_{(s>2)}^{(l_i-l-s+2)} \sum_{j_i=j_s+s-1}^{(l_i-l-s+2)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{n_{is}+j_{sa}^s-j_{sa}^{ik}} \sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{( )}$$

$$\frac{(n_{is}-n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-s-2 \cdot \mathbb{k}-j_{sa}^s)!}{(n_{is}-n_{ik}+2 \cdot j_s+j_{sa}^{ik}-n_s-j_i-n-2 \cdot \mathbb{k}-2 \cdot j_{sa}^s)!}.$$

$$\frac{1}{(n+j_{sa}^s-s-j_s)!}.$$

$$\frac{(l_s-l-1)!}{(l_s-j_s-l+1)! \cdot (j_s-2)!}.$$

$$\frac{(D-l_i)!}{(D+j_i-n-l_i)! \cdot (n-j_i)!}$$

$$((D \geq n < n \wedge l \neq l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} \neq \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST}=\sum_{k=l}^{\left(l_{ik}-l-j_{sa}^{ik}+2\right)}\sum_{(j_s=2)}^n\sum_{j_i=j_s+s-1}^{(n_i-j_s+1)}$$

$$\sum_{n_{ik}=n_{is}+j_{sa}^s-j_{sa}^{ik}}^{}\sum_{(n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k})}^{(\ )}$$

$$\frac{\left(n_{is}+n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-s-2\cdot\mathbb{k}-j_{sa}^s\right)!}{\left(n_{is}+n_{ik}+2\cdot j_s+j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2\cdot\mathbb{k}-2\cdot j_{sa}^s\right)!}.$$

$$\frac{1}{(\mathbf{n}+j_{sa}^s-s-j_s)!}.$$

$$\frac{(\mathbf{l}_s-\mathbf{l}-1)!}{(\mathbf{l}_s-j_s-\mathbf{l}+1)!\cdot(j_s-2)!}.$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} \leq D + j_{sa}^{ik} - s) \vee$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n}) \vee$

$(D \geq \mathbf{n} < n \wedge l \neq i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_i - s + 1 > l_s \wedge$

$l_i \leq D + s - \mathbf{n}) \wedge$

$$\left( (D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge \right.$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(j_s=2)}^{(l-l+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} S_{j_s, j_i}^{DSS}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(j_s=2)}^{(l-l+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} S_{j_s, j_i}^{DSS}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{is}=n+\mathbb{k}-j_s+1)}^{(n_i-j_s+1)} \sum_{(j_s=2)}^{(l-l+1)} \sum_{j_i=j_s+s-1}^{(n_i-j_s+1)} S_{j_s, j_i}^{DSS}$$

$$\frac{(n_{is} + r - j_s + j_{sa}^{ik} - n_s - j_i - s - 2 \cdot \mathbb{k} - j_{sa}^s)!}{(n_{is} + n_{ip} + 2 \cdot j_s + j_{sa}^{ik} - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!} \cdot \frac{1}{(\mathbf{n} + j_{sa}^s - s - j_s)!} \cdot$$

$$\frac{(l_s - l - 1)!}{(l_s - j_s - l + 1)! \cdot (j_s - 2)!} \cdot$$

$$\frac{(D - l_i)!}{(D + j_i - \mathbf{n} - l_i)! \cdot (\mathbf{n} - j_i)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l = l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n)$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D + s - n) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{D_{sa}} = \sum_{l} \sum_{(j_s=1)} \sum_{j_i=s} \frac{\sum_{n_i=n+\mathbb{k}} \sum_{(n_{ik}=n_i-s-j_{sa}^{ik})} n_s + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k}}{(n_i - s - \mathbb{k})!}{\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}}.$$

$$\left( (D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = _i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = _i l \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = _i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}),$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s < j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \dots, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = \mathbb{k} \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=1}^n \sum_{l=1}^{\binom{n}{k}} \sum_{j_i=s}^{j_i=s}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{\binom{n}{k}} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s}^{( )} \frac{(n_i + j_s - j_i - \mathbb{k} - j_{sa}^s)!}{(n_i - \mathbf{n} - \mathbb{k})! \cdot (\mathbf{n} + j_s - j_i - j_{sa}^s)!} \cdot \frac{(D - l_i)}{(D + s - \mathbf{n} - \mathbb{k} - 1)! \cdot (\mathbf{n} - s)!}$$

$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$l_i \leq D + s - \mathbf{n} \vee$

$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$

$l_{ik} \leq D + s - \mathbf{n} \vee$

$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$

$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = _i l \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l = _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=_i l} \sum_{(j_s=1)}^{\left(\right)} \sum_{j_i=s}^{\left(\right)}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{\left(\right)} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\left(\right)}$$

$$\frac{(n_i + j_i + j_{sa}^s - j_s - 2 \cdot s - \mathbb{k})!}{(n_i - n - \mathbb{k})! \cdot (n + j_i + j_{sa}^s - j_s - 2 \cdot s)!}.$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_i \leq D + s - \mathbf{n} \wedge$$

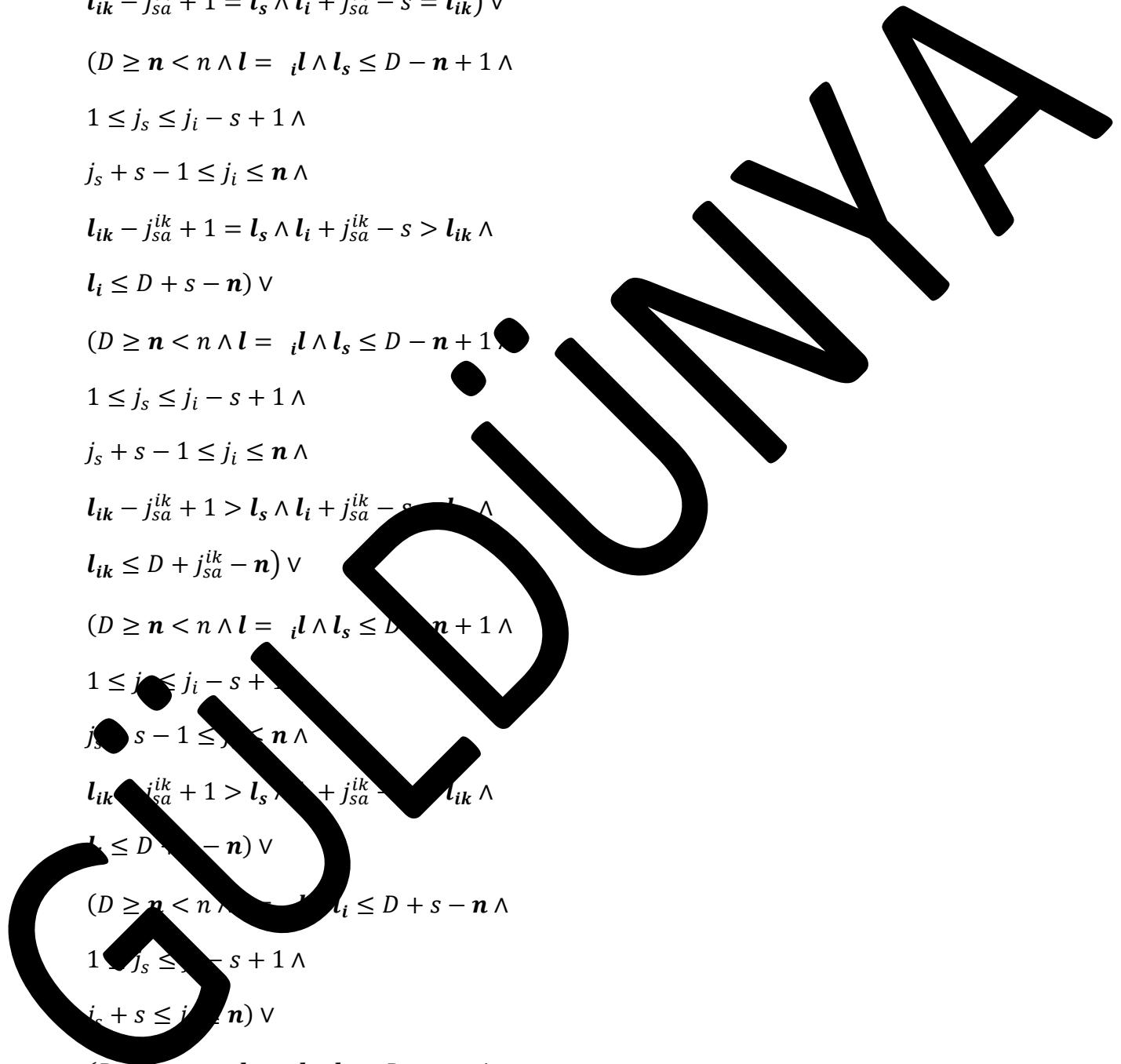
$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$


$$l_i \leq D + s - n) \wedge$$

$$(D \geq n < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\epsilon_z S_{j_s, j_i}^{DS} = \sum_{k=1}^n \sum_{(j_s=1)} \sum_{j_i=s}$$

$$\sum_{n_i=n}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})} n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}$$

$$\frac{(n_i + j_s - s - \mathbb{k} - j_{sa}^s)!}{(n_i + j_s - n - \mathbb{k} - j_{sa}^s)! \cdot (n - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - n - l_i)! \cdot (n - s)!}$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - j_{sa}^{ik} + 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = i \wedge l_i \leq D + s - 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge l = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, j_{sa}^i\}$$

$$s \geq \omega \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s : \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s : \{j_{sa}^s, \dots, j_{sa}^i, \mathbb{k}, j_{sa}^i\} \wedge$$

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$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSSST} = \sum_{k=1}^n \sum_{(j_s=1)}^{\binom{n}{s}} \sum_{j_i=s}^{\binom{n}{s}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{\binom{n}{s}} n_s=n_{ik}+j_s+j_{sa}^{ik}, n_i-j_{sa}^s-\mathbb{k} \\ \frac{(n_{ik}+j_{sa}^{ik}-s-\mathbb{k}-j_{sa}^s)!}{(n_{ik}+j_s+j_{sa}^{ik}-n-\mathbb{k}-2 \cdot j_{sa}^s) \cdot (n+j_{sa}^s-s-s)!} \cdot \\ \frac{(s-l_i)!}{(D-n-s) \cdot (n-s) \cdot (n-s)!}$$

$$\left( (D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n - 1) \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_i \leq D - s - n \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = {}_i\mathbf{l} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1))$$

$${}_{fz}S_{j_s, J_i}^{DSST} = \sum_{k={}_i\mathbf{l}} \sum_{(j_s=1)} \sum_{j_i=s}^{(\ )}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{(\ )} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}$$

$$\frac{(2 \cdot n_i - n_{ik} - 2 \cdot j_s - s - j_{sa}^{ik} - \mathbb{k} + 3)!}{(2 \cdot n_i - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k} + 2)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - n - l_i) \cdot (n - s)!}$$

$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$

$1 \leq j_s \leq j_i - s + 1 \wedge$

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$l_i \leq D + s - n) \vee$

$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$

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$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$

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$j_s + s \leq j_i \leq n) \vee$

$(D \geq n < n \wedge l = l_i \wedge l_s \leq D - n + 1 \wedge$

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$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\text{SSST}_{j_s, j_i} = \sum_{k=i}^{\infty} \sum_{(j_s=1)}^{\infty} \sum_{j_i=s}^{\infty}$$

$$\sum_{n_i=n}^{\infty} \sum_{(n_s=n_i+j_{sa}^s-j_s-j_{sa}^{ik}+1)}^{\infty} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\infty}$$

$$\frac{(n_i + j_{sa}^s - n_{ik} - j_{sa}^{ik} - s - \mathbb{k})!}{(2 \cdot n_i + n_s - n_{ik} - j_s - \mathbf{n} - j_{sa}^{ik} - \mathbb{k})! \cdot (\mathbf{n} + j_{sa}^s - j_s - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l = i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 = \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = i_l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

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$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = \mathbf{l}_i \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1) \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge \mathbf{l} = \mathbf{l}_i \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$



$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$fzS_{j_s, J_i}^{DSST} = \sum_{k=1}^n \sum_{l_k=1}^{(\ )} \sum_{j_i=s}^{(\ )}$$

$$\sum_{n_l=n+\mathbb{k}}^n \sum_{(n_{ik}=n_l+j_{sa}^s-j_s-j_{sa}^{ik}+1)}^{(\ )} \frac{(n_s + j_i - i - s)!}{(n_s + J_i - l_i - j_{sa}^s - j_i - j_{sa}^{ik})!} \cdot \frac{(D - l_i)!}{(D + s - n - l_i) \cdot (n - s)!}$$

$$(D \geq \mathbf{n} < n \wedge l = l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i < (\mathbf{n} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

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$$s > 2 \wedge s =$$

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$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \wedge s: \{j_{sa}^s, j_{sa}^i, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s > 2 \wedge s = s + \mathbb{k} \wedge$$

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$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k=1}^{( )} \sum_{(j_s=1)} \sum_{j_i=s}$$

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$$\frac{(n_s - j_{sa}^s)!}{(n_s + j_i - \mathbf{n} - j_{sa}^s)! \cdot (\mathbf{n} - j_i)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (n - \mathbb{D})!}$$

$$\left( (D \geq \mathbf{n} < n \wedge l = \mathbf{l}_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

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$$\mathbb{k}_z: z = 1)) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k={}_i l} \sum_{(j_s=1)}^{\left(\right)} \sum_{j_i=s}^{\left(\right)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n_i+j_{sa}^s-j_s-j_{sa}^{ik}+1)}^{\left(\right)} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\left(\right)}$$

$$\frac{(2 \cdot n_i - n_s - j_s - j_i - s - 2 \cdot \mathbb{k} + 2)!}{(2 \cdot n_i - n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} + 1)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

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$$s \geq 2 \wedge s = s) \vee$$

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$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$DSST = \sum_{i=1}^n \sum_{s=1}^{\binom{n}{2}} \sum_{j_i=s}^n$$

$$\sum_{\substack{n_i = s + \mathbb{k} \\ n_i = n - j_{sa}^s \\ n_i = n - j_{sa}^i}} \sum_{\substack{(n_{ik} = n_i - j_s - j_{sa}^s) \\ (n_{ik} = n_i - j_s - j_{sa}^i) \\ (n_{ik} = n_i - j_{ik})}} \sum_{\substack{n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^s - \mathbb{k} \\ n_s = n_{ik} + j_s + j_{sa}^{ik} - j_i - j_{sa}^i - \mathbb{k}}} \cdot$$

$$\frac{(j_i - s - 2 \cdot \mathbb{k} + 3)!}{(s \cdot n_i - n_{ik} - j_s - j_{sa}^s - j_{sa}^i - j_{ik})! \cdot (n - 2 \cdot \mathbb{k} + 2)! \cdot (n - s)!} \cdot$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

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$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s = \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_{ik} \leq D + j_{sa}^{ik} - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_{ik} - j_{sa}^{ik} + 1 > \mathbf{l}_s \wedge \mathbf{l}_i + j_{sa}^{ik} - s > \mathbf{l}_{ik} \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = {}_i\mathbf{l} \wedge \mathbf{l}_i \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge \mathbf{l} = {}_i\mathbf{l} \wedge \mathbf{l}_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$\mathbf{l}_i - s + 1 > \mathbf{l}_s \wedge$$

$$\mathbf{l}_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0) \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = \mathbf{s} \wedge$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s = j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = \mathbf{s} + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

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$$f_z S_{j_s, j_i}^{DSST} = \sum_{k=1}^n \sum_{(j_s=1)}^{\binom{n}{2}} \sum_{j_i=s}^n$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{\binom{n}{2}} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_s^s}^n$$

$$\frac{(2 \cdot n_i + j_s - n_s - j_i - s - 2 \cdot \mathbb{k})!}{(2 \cdot n_i + 2 \cdot j_s - n_s - j_i - n - 2 \cdot \mathbb{k} - j_{sa}^s + (n - s))!}$$

$$\frac{(D - l_i)!}{(D + s - n - \mathbb{k} - 1)! \cdot (s - s)!}$$

$$(D \geq n < n \wedge l = _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$(D \geq n < n \wedge l = _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_{ik} \leq D + s - n \vee$$

$$(D \geq n < n \wedge l = _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + s - n \vee$$

$$(D \geq n < n \wedge l = _i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_i \leq D + s - \mathbf{n} \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq \mathbf{n}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = {}_i l \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge s = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\}$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_{z: z = 1}) \Rightarrow$$

$${}_{fz}S_{j_s, j_i}^{DSST} = \sum_{k={}_i l} \sum_{(j_s=1)}^{\left(\right. \left. \right)} \sum_{j_i=s}^{\left(\right. \left. \right)}$$

$$\sum_{n_i=\mathbf{n}+\mathbb{k}}^n \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})}^{\left(\right. \left. \right)} \sum_{n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}}^{\left(\right. \left. \right)}$$

$$\frac{(3 \cdot n_i + j_s + j_{sa}^s - n_{ik} - n_s - j_i - j_{sa}^{ik} - s - 2 \cdot \mathbb{k})!}{(3 \cdot n_i + 2 \cdot j_s - n_{ik} - n_s - j_i - \mathbf{n} - j_{sa}^{ik} - 2 \cdot \mathbb{k})! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$\left( (D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge \right.$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s < l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l = {}_i l \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

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$$l_i \leq D + s - \mathbf{n}) \wedge$$

$$((D \geq \mathbf{n} < n \wedge I = \mathbb{k} = 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, j_{sa}^i\} \wedge$$

$$s \geq 2 \wedge \mathbf{s} = s) \vee$$

$$(D \geq \mathbf{n} < n \wedge I = \mathbb{k} > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$\mathbf{s}: \{j_{sa}^s, \mathbb{k}, j_{sa}^i\} \vee \mathbf{s}: \{j_{sa}^s, \dots, j_{sa}^{ik}, \mathbb{k}, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge \mathbf{s} = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z: z = 1) \Rightarrow$$

$$\epsilon_Z S_{j_s, j_i}^{DS} + \sum_{k=1}^{\infty} \sum_{(j_s=1)} \sum_{j_i=s}$$

$$\sum_{n_i=n}^{\infty} \sum_{(n_{ik}=n_i-j_s-j_{sa}^{ik})} n_s=n_{ik}+j_s+j_{sa}^{ik}-j_i-j_{sa}^s-\mathbb{k}$$

$$\frac{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} + n_s - j_i - s - 2 \cdot \mathbb{k} - 2 \cdot j_{sa}^s)!}{(2 \cdot n_{ik} + 2 \cdot j_s + 2 \cdot j_{sa}^{ik} + n_s - j_i - \mathbf{n} - 2 \cdot \mathbb{k} - 3 \cdot j_{sa}^s)! \cdot (\mathbf{n} - s)!}.$$

$$\frac{(D - l_i)!}{(D + s - \mathbf{n} - l_i)! \cdot (\mathbf{n} - s)!}$$

$$((D \geq \mathbf{n} < n \wedge l = l_i) \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s - s + 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik}) \vee$$

$$(D \geq \mathbf{n} < n \wedge l = l_i \wedge l_s \leq D - \mathbf{n} + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq \mathbf{n} \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 = l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s = l_{ik} \wedge$$

$$l_{ik} \leq D + j_{sa}^{ik} - n) \vee$$

$$(D \geq n < n \wedge l = i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_{ik} - j_{sa}^{ik} + 1 > l_s \wedge l_i + j_{sa}^{ik} - s > l_{ik} \wedge$$

$$l_i \leq D + s - n) \vee$$

$$(D \geq n < n \wedge l = i \wedge l_i \leq D + s - n \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s \leq j_i \leq n) \vee$$

$$(D \geq n < n \wedge l = i \wedge l_s \leq D - n + 1 \wedge$$

$$1 \leq j_s \leq j_i - s + 1 \wedge$$

$$j_s + s - 1 \leq j_i \leq n \wedge$$

$$l_i - s + 1 > l_s \wedge$$

$$l_i \leq D + s - n) \wedge$$

$$((D \geq n < n \wedge l = k) > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, j_{sa}^i\}$$

$$s \geq \omega \wedge s = s) \vee$$

$$(D \geq n < n \wedge I = k > 0 \wedge$$

$$j_{sa}^s \leq j_{sa}^i - 1 \wedge$$

$$s: \{j_{sa}^s, k, j_{sa}^i\} \vee s: \{j_{sa}^s, \dots, j_{sa}^i, k, j_{sa}^i\} \wedge$$

$$s \geq 3 \wedge s = s + \mathbb{k} \wedge$$

$$\mathbb{k}_z : z = 1) \Rightarrow$$

$${}_{fz}S_{j_s,j_i}^{DSST} = \sum_{k=1}^{\binom{n}{s}} \sum_{(j_s=1)}^{\binom{n}{s}} \sum_{j_i=s}^{\binom{n}{s}}$$

$$\sum_{n_i=n+\mathbb{k}}^n \sum_{\substack{(n_{ik}=n_i-j_s-j_{sa}^{ik}) \\ n_s=n_{ik}+j_s+j_{sa}^{ik} \\ j_i=j_{sa}^s-\mathbb{k}}}^{\binom{n}{s}} \frac{\Delta_{(n_i+n_{ik}+j_s+j_{sa}^{ik}-n_s-j_i-s-2\cdot j_{sa}^s)!}}{(n_i+n_{ik}+2\cdot j_s+j_{sa}^{ik}-n_s-j_i-\mathbf{n}-2\cdot j_{sa}^s-2\cdot j_{sa}^s)!} \cdot \frac{(s-l_i)!}{(D-n-s)!\cdot(n-s)!}.$$

**giüldün**

## DİZİN

### B

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.1.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.2.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.2.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.3.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.1/230-231

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.1.1/187-188

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.1.1/321

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.2.1/230-231

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.2.1/187-188

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.2.1/321

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bir bağımsız durumu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.2.1/230-231

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.3.1/187-188

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.3.1/321

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.4.1.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.4.1.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.4.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.4.2.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.4.2.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.4.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.4.3.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.4.3.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.1.1.4.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumu

simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.1.1/233

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.1.1/190

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.1.1/324-325

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımsız simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.2.1/233

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.2.1/190

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.2.1/324-325

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bir bağımlı-bağımsız durumlu bağımlı simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.3.1/233

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.3.1/190

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.3.1/324-325

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.6.1.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.6.1.1/3-4

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 son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.6.2.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.6.2.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.6.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu

bağımlı simetrinin son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.1.6.3.1/3-4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.6.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.6.3.1/3-4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin durumuna bağlı

tek kalan simetrik olasılık,  
2.3.3.1.1.1.1/1

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.1/80

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.1/1

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin durumuna bağlı

tek kalan simetrik olasılık,  
2.3.3.1.1.2.1/118

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.2.1/80-81

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.2.1/165

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin durumuna bağlı

tek kalan simetrik olasılık,  
2.3.3.1.1.3.1/118

tek kalan düzgün simetrik olasılık,  
2.3.3.2.1.1.3.1/80-81

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.1.1.3.1/165

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.1.1.1/4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.1.1.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.2.1.1.1/4

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve son durumunun bulunabileceği olaylara göre

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, 2.3.3.3.2.2.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımsız simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.2.2.1/4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.2.2.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.2.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımlı simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.2.3.1/4

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,  
2.3.3.2.2.2.1.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.4.2.1/4

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı-bağımsız durumlu  
bağımsız simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.4.3.1/4

tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.4.3.1/3-4

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,  
2.3.3.1.2.6.3.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.6.3.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.6.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımsız durumlu  
simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.7.1.1/5  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.7.1.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.7.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımsız durumlu  
bağımsız simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.7.2.1/5  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.7.2.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.7.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımsız durumlu  
bağımlı simetrinin ilk ve son durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.2.7.3.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.2.7.3.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.2.7.3.1/4

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu simetrinin ilk  
ve herhangi bir durumun bulunabileceği  
olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.1.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.1.1.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.1.1.1/5

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu bağımsız  
simetrinin ilk ve herhangi bir durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.1.2.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.1.2.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.1.2.1/5

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu bağımlı  
simetrinin ilk ve herhangi bir durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.1.3.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.1.3.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.1.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
simetrinin ilk ve herhangi bir durumunun  
bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.2.1.1/5  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.2.1.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.2.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımsız simetrinin ilk ve herhangi bir  
durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.2.2.1/5  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.2.2.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.2.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımlı simetrinin ilk ve herhangi bir  
durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık,  
2.3.3.1.3.2.3.1/4  
tek kalan düzgün simetrik olasılık,  
2.3.3.2.3.2.3.1/3-4  
tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.3.2.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu simetrinin  
herhangi iki durumuna bağlı

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 ilk  
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 ilk 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 düzgün olmayan simetrik olasılık, 2.3.3.3.5.2.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.1.1.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.1.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.1.2.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.1.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.1.3.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.1.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.2.1.1/11

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.2.1.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk ve herhangi iki durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.2.2.1/11

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.2.2.1/11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk ve herhangi iki

durumunun bulunabileceği olaylara göre herhangi iki duruma bağlı

tek kalan simetrik olasılık, 2.3.3.1.8.2.3.1/7

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.8.2.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk ve herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.1.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.1.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.1.1.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk ve herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.1.2.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.1.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.1.2.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.1.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.1.3.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.1.3.1/5-6

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.6.2.1.1/6

tek kalan düzgün simetrik olasılık, 2.3.3.2.6.2.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.6.2.1.1/8

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi bir ve son durumunun bulunabileceği olaylara göre

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,  
2.3.3.1.6.4.2.1/5  
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  
bağımsız 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  
bağımsız 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

tek kalan simetrik olasılık,  
2.3.3.1.6.7.3.1/5

tek kalan düzgün simetrik olasılık,  
2.3.3.2.6.7.3.1/3-4

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.6.7.3.1/5

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu simetrinin ilk  
herhangi bir ve son durumunun  
bulunabileceği olaylara göre herhangi bir  
ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.1.1.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.1.1.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu bağımsız  
simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.1.2.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.1.2.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı durumlu bağımlı  
simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.1.3.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.1.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı-bağımsız durumlu  
simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.2.1.1/11

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.2.1.1/11

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımsız simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.2.2.1/11

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.2.2.1/11

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımsız-bağımlı durumlu  
bağımlı simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.2.3.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.2.3.1/7-8

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı-bağımsız durumlu  
simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.4.1.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.4.1.1/11

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,  
2.3.3.1.9.4.2.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.4.2.1/11

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,  
2.3.3.1.9.4.3.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.4.3.1/11

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı-bağımsız durumlu  
simetrinin ilk herhangi bir ve son  
durumunun bulunabileceği olaylara göre  
herhangi bir ve son duruma bağlı

tek kalan simetrik olasılık,  
2.3.3.1.9.6.1.1/7

tek kalan düzgün olmayan simetrik  
olasılık, 2.3.3.3.9.6.1.1/11

Bağımlı ve bir bağımsız olasılıklı farklı  
dizilimsiz bağımlı-bağımsız durumlu  
bağımsız simetrinin ilk herhangi bir ve son

durumunun bulunabileceği olaylara göre herhangi bir ve son duruma bağlı

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-bağımlı 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-bağımlı 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,  
2.3.3.1.7.1.1/5

tek kalan düzgün simetrik olasılık,  
2.3.3.2.7.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.1.1/7

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,  
2.3.3.2.7.1.3.1/4

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, 2.3.3.3.7.2.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.4.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.4.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.4.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.4.2.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.4.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.4.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.4.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.4.3.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.4.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.6.1.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.6.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.6.1.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.6.2.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.6.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.6.2.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.6.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.6.3.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.6.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.7.1.1/7

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.7.1.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.7.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.7.2.1/7

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.7.2.1/4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.7.2.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre

tek kalan simetrik olasılık, 2.3.3.1.7.7.3.1/5

tek kalan düzgün simetrik olasılık, 2.3.3.2.7.7.3.1/3-4

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.7.7.3.1/7

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.1.1.1/9

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 bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.4.3.1/9

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, 2.3.3.3.10.6.3.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.7.1.1/15-16

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.7.1.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.7.2.1/15-16

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.7.2.1/16

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımsız durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi bir ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.10.7.3.1/9-10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.10.7.3.1/9-10

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.1.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.1.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.1.2/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.1.2/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son

durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.1.3.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.1.3.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.2.1.1/17

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.2.1.1/17-18

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.2.2.1/17

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.2.2.1/17-18

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımsız-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.2.3.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.2.3.1/10-11

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.4.1.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.4.1.1/17-18

Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı-bir bağımsız durumlu bağımsız simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.4.2.1/10

tek kalan düzgün olmayan simetrik olasılık, 2.3.3.3.11.4.2.1/17-18

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, 2.3.3.1.11.4.3.1/10

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-bağımlı durumlu bağımlı simetrinin ilk herhangi iki ve son durumunun bulunabileceği olaylara göre herhangi iki ve son durumuna bağlı

tek kalan simetrik olasılık, 2.3.3.1.11.7.3.1/10

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 dağılımin ilk bağımlı durumu hariç dağılımin başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımin aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılığın, tanım ve eşitliklerinden oluşmaktadır.

VDOİHİ Bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz bağımlı durumu simetrisi, ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılık kitapçıkta, bağımlı ve bir bağımsız olasılıklı farklı dizilimsiz dağılımlardan, bağımsız olasılıklı durumla başlayıp ilk bağımlı durumu bağımlı olasılıklı dağılımin ilk bağımlı durumu hariç dağılımin başlayabileceği diğer bir bağımlı durum olan ve bağımsız olasılıklı durumla başlayan dağılımin aynı ilk bağımlı durumuyla başlayan dağılımlarda, simetrinin ilk ve son durumunun bulunabileceği olaylara göre tek kalan düzgün simetrik olasılığın, tanım ve eşitliklerini verilmektedir.

VDOİHİ’nin diğer ciltlerinde olduğu gibi bu ciltte de verilen ana eşitlikler, olasılık tablolarından elde edilen verilerle üretilmiştir. Diğer eşitlikler ise ana eşitliklerden teorik yöntemle üretilmiştir. Eşitlik ve tanımların üretilmesinde dış kaynak kullanılmamıştır.